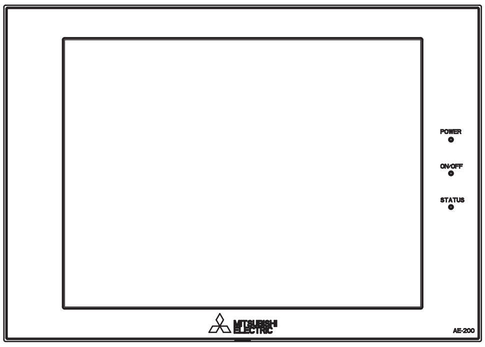
<ORIGINAL>

# Air Conditioning Control System
# Centralized Controller
# AE-200A/AE-50A
# AE-200E/AE-50E

Instruction Book



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Before using the controller, please read this Instruction Book carefully to ensure proper operation.
Retain this manual for future reference.

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# 1. Safety precautions

- ► **Observe these precautions carefully to ensure safety.**
- ► **After reading this manual, pass the manual on to the end user to retain for future reference.**
- ► **The user should keep this manual for future reference and refer to it as necessary. This manual should be made available to those who repair or relocate the units. Make sure that the manual is passed on to any future air conditioning system user.**

| | |
|---|---|
| ⚠ WARNING | : indicates a hazardous situation which, if not avoided, could result in death or serious injury. |
| ⚠ CAUTION | : indicates a hazardous situation which, if not avoided, could result in minor or moderate injury. |
| CAUTION | : addresses practices not related to personal injury, such as product and/or property damage. |

## 1-1. General precautions

**⚠ WARNING**

**Do not install the controller in areas where large amounts of oil, steam, organic solvents, or corrosive gases (such as ammonia, sulfuric compounds, or acids), or areas where acidic/alkaline solutions or special chemical sprays are used frequently. These substances may significantly reduce the performance and corrode the internal parts, resulting in electric shock, malfunction, smoke, or fire.**

**To reduce the risk of short circuits, current leakage, electric shock, malfunction, smoke, or fire, do not wash the controller with water or any other liquid.**

**To reduce the risk of electric shock, malfunction, smoke, or fire, do not touch the electrical parts, USB memory, or touch panel with wet fingers.**

**To reduce the risk of injury or electric shock, before spraying a chemical around the controller, stop the operation and cover the controller.**

**To reduce the risk of injury, keep children away while installing, inspecting, or repairing the controller.**

**If you notice any abnormality (e.g., burning smell), stop the operation, turn off the controller, and consult your dealer. Continuing the operation may result in electric shock, malfunction, or fire.**

**Properly install all required covers to keep moisture and dust out of the controller. Dust accumulation and the presence of water may result in electric shock, smoke, or fire.**

**⚠ CAUTION**

**To reduce the risk of fire or explosion, do not place flammable materials or use flammable sprays around the controller.**

**To reduce the risk of electric shock or malfunction, do not touch the touch panel, switches, or buttons with a sharp object.**

**To avoid injury from broken glass, do not apply excessive force to the glass parts.**

**To reduce the risk of injury, electric shock, or malfunction, avoid contact with the sharp edges of certain parts.**

**Consult your dealer for the proper disposal of the controller. Improper disposal will pose a risk of environmental pollution.**

## 1-2. Precautions for relocating or repairing the unit

**⚠ WARNING**

**The controller must be repaired or moved only by qualified personnel. Do not disassemble or modify the controller. Improper installation or repair may result in injury, electric shock, or fire.**

## 1-3. Additional precautions

**CAUTION**

**To avoid discoloration, do not use benzene, thinner, or chemical rag to clean the controller. When the controller is heavily soiled, wipe the controller with a well-wrung cloth that has been soaked in water with mild detergent, and then wipe off with a dry cloth.**

**This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.**

# 2. Introduction

AE-200A/AE-50A/AE-200E/AE-50E is a centralized controller.
EW-50A/EW-50E is an LCD-less total management system.
Any connected air conditioning systems can be operated or monitored on the AE-200A/AE-50A/AE-200E/AE-50E's LCD or the Integrated Centralized Control Web.
By using a PI controller that is built-in on the AE-200A/AE-50A/EW-50A/AE-200E/AE-50E/EW-50E, the energy-control-related status can be displayed and Peak Cut control can be performed without a use of a PI controller (PAC-YG60MCA).
Each AE-200A/AE-50A/AE-200E/AE-50E can control up to a total of 50 indoor units and other equipment. By connecting AE-200A/AE-200E (main controller) and AE-50A/AE-50E/EW-50A/EW-50E (expansion controllers), up to 200 indoor units and other equipment can be controlled.

## 2-1. Terms used in this manual

- "Centralized Controller AE-200A/AE-200E" is referred to as "AE-200."
- "Centralized Controller AE-50A/AE-50E" is referred to as "AE-50."
- "Centralized Controller EW-50A/EW-50E" is referred to as "EW-50."

## 2-2. Required licenses

The required licenses vary, depending on the functions to be used. Refer to the License Classification List for details. Purchase the required licenses from your dealer. Refer to section 5-2-4 for license registration.

## 2-3. "Group", "Block", "EM block", and "Floor" definitions

The terms "Group", "Block", "EM block", and "Floor" used in this manual are defined as follows.

| | |
|---|---|
| Group: | Group is a group of air conditioning units and controllers and is the smallest unit that the AE-200/AE-50 can control. The maximum number of units that each group can contain is 16. |
| Block: | Each block consists of one or more groups. Multiple groups of units in a given block can be monitored or operated collectively. |
| EM block: | EM block stands for Energy management block, and this groups multiple blocks. Use for charge apportioning units and for settings of blocks spanning AE-200 and AE-50/EW-50. |
| Floor: | Floor is one or more groups of units on each floor that are treated as one unit. |

## 2-4. About this manual

This manual explains how to make basic operations of the LCD and the Integrated Centralized Control Web, and also how to make settings required when the controller is installed. For settings methods when the controller is installed, refer to section 5 "Initial startup settings". For further information of operation methods and function settings such as how to monitor and operate the units other than air conditioning units, refer to the following Instruction Books. Ask your dealer for how to obtain these Instruction Books.

AE-200A/AE-50A/EW-50A AE-200E/AE-50E/EW-50E Instruction Book (Initial Settings)
AE-200A/AE-50A AE-200E/AE-50E Instruction Book (Detailed operations)
AE-200A/AE-50A/EW-50A AE-200E/AE-50E/EW-50E Instruction Book (Integrated Centralized Control Web)

# 3. Basic operations

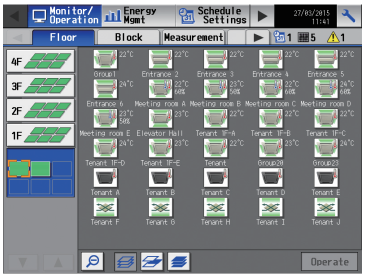
## 3-1. Monitor/Operation

Unit groups can be monitored and operated on the AE-200/AE-50's LCD or the Integrated Centralized Control Web. This section explains how to monitor and operate the unit groups.

## 3-1-1. Screen sequence

### 3-1-1-1. LCD

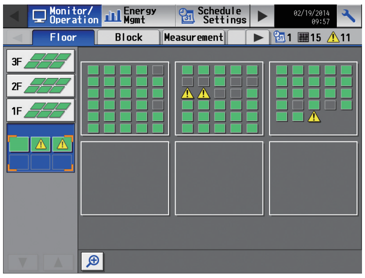
[Floor] display (zoomed-in)


Monitor/ Operation
Energy Mgmt
Schedule Settings
Floor
Block
Measurement
4F
3F
2F
1F
Operate

Touch [ ⊖ ].

Touch [ ⊕ ].

[Floor] display (zoomed-out)


Monitor/ Operation
Energy Mgmt
Schedule Settings
Floor
Block
Measurement
3F
2F
1F

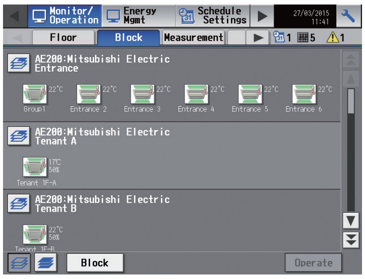
Touch [Floor].

Touch [Block].

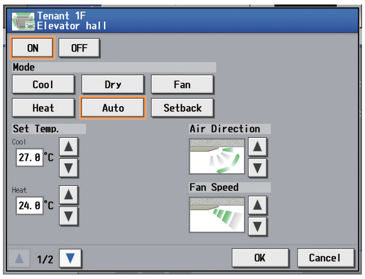
Select a group and touch [Operate].

Touch [OK] or [Cancel].

[Block] display


Monitor/ Operation
Energy Mgmt
Schedule Settings
Floor
Block
Measurement
AE200:Mitsubishi Electric Entrance
AE200:Mitsubishi Electric Tenant A
AE200:Mitsubishi Electric Tenant B
Block
Operate

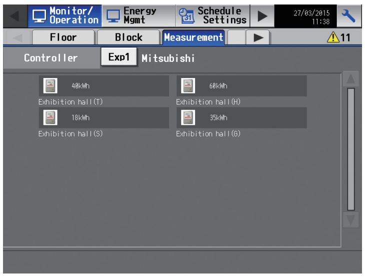
Operation settings screen


Tenant 1F Elevator hall
ON
OFF
Mode
Cool
Dry
Fan
Heat
Auto
Setback
Set Temp.
Cool
27.0°C
Heat
24.0°C
Air Direction
Fan Speed
1/2
OK
Cancel

Select a group and touch [Operate].

Touch [OK] or [Cancel].

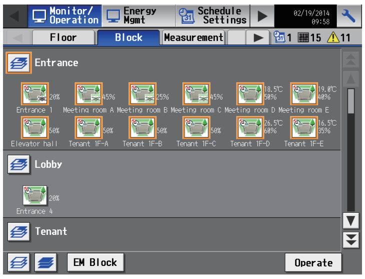
[Measurement] display


Monitor/ Operation
Energy Mgmt
Schedule Settings
Floor
Block
Measurement
Controller
Exp1
Mitsubishi
Exhibition hall(T)
Exhibition hall(H)
Exhibition hall(S)
Exhibition hall(G)

Touch [Block].

Touch [EM Block].

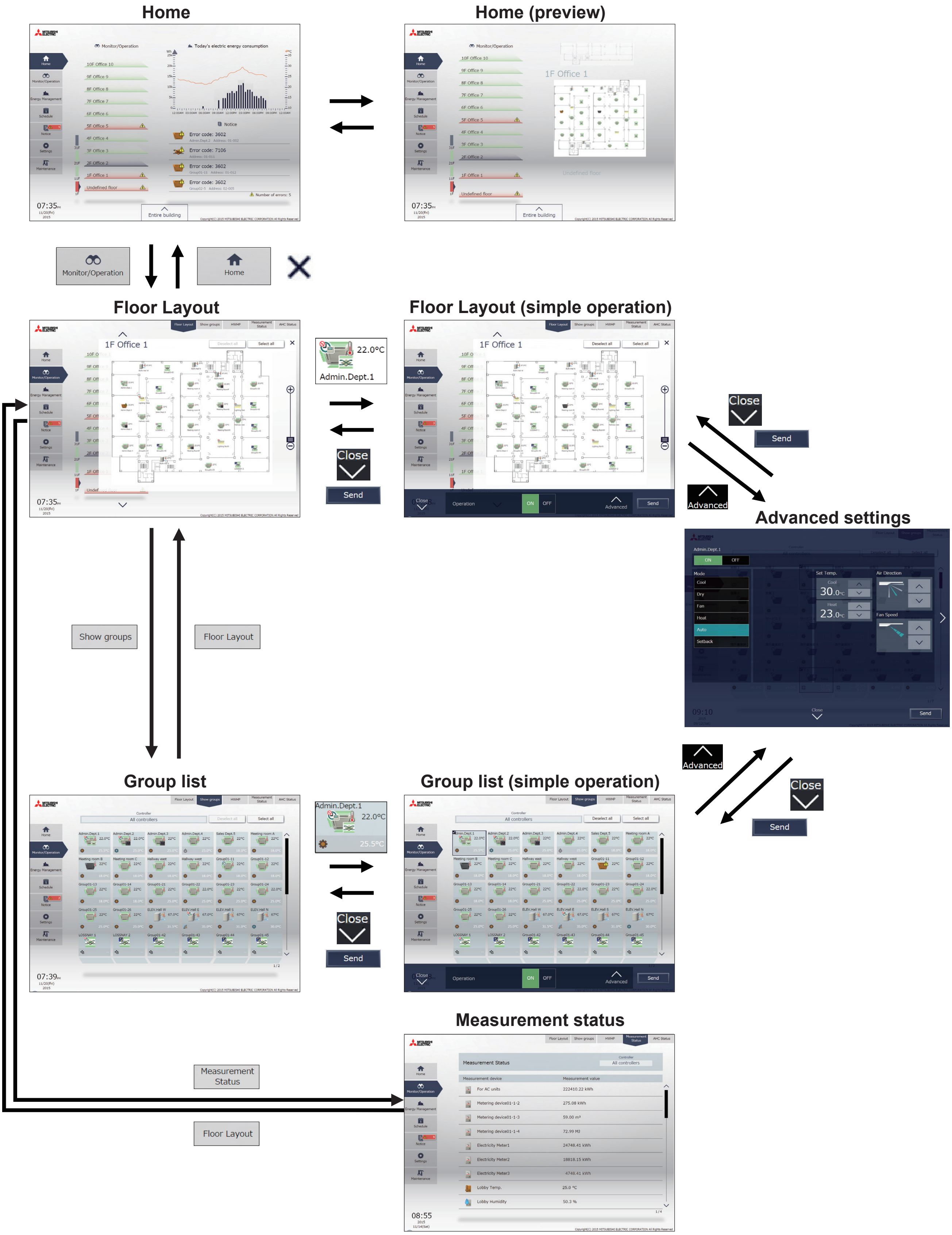
[EM Block] display


Monitor/ Operation
Energy Mgmt
Schedule Settings
Floor
Block
Measurement
Entrance
Lobby
Tenant
EM Block
Operate

* The [Measurement] tab will appear only when an AI or PI controller is connected or when the AE-200 built-in PI controller is enabled.

For further information of operation methods for each function, refer to the Instruction Book (Detailed operations).

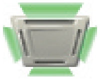
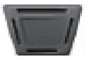
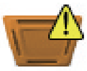
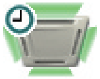
## 3-1-1-2. Integrated Centralized Control Web


Home
Home (preview)
Monitor/Operation
Home
Floor Layout
Floor Layout (simple operation)
22.0ºC
Admin.Dept.1
Close
Send
Close
Send
Advanced
Advanced settings
Show groups
Floor Layout
Group list
Group list (simple operation)
Admin.Dept.1
22.0ºC
25.5ºC
Close
Send
Advanced
Close
Send
Measurement status
Measurement Status
Floor Layout

## 3-1-2. Group icons

Each group icon indicates the operation condition of the group. Touch the icon, and then touch [Operate] to bring up the operation settings screen.

Air conditioning unit group

| ON | OFF | Error | Schedule set |
|---|---|---|---|
|  |  |  |  |

Note: Refer to the Instruction Book (Detailed operations) or Instruction Book (Integrated Centralized Control Web) for details and other icons.

## 3-1-3. Checking the operation conditions

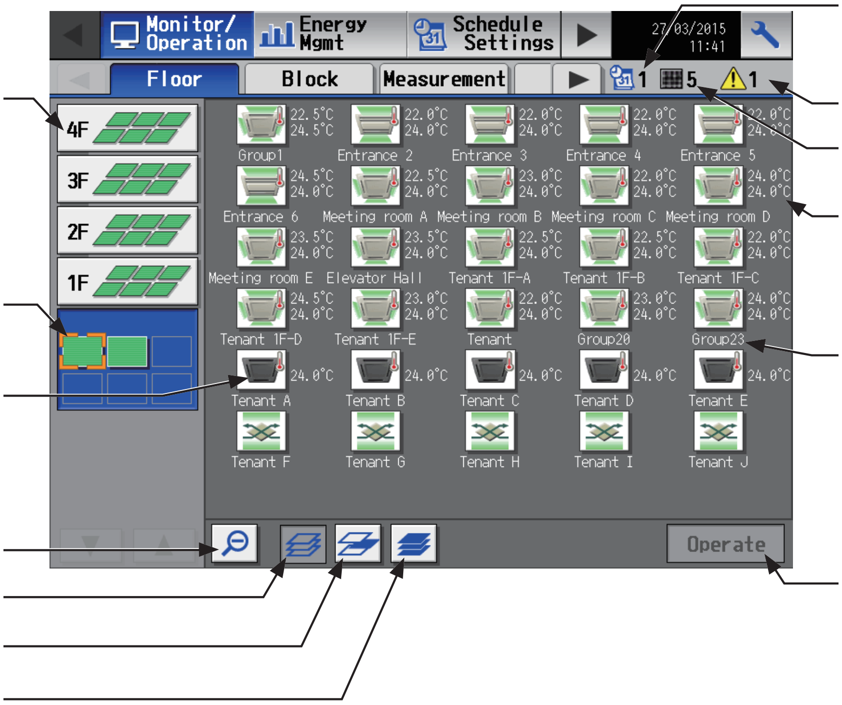
This section explains how to display the operation conditions of units.

### 3-1-3-1. LCD

### [1] [Floor] display

Touch [Monitor/Operation] in the menu bar, and then touch [Floor].

Note: The unit groups that are under the control of AE-200, AE-50, and EW-50 can be displayed.


Monitor/ Operation
Energy Mgmt
Schedule Settings
27/03/2015 11:41
Floor
Block
Measurement
1 5 1
4F
3F
2F
1F
22.5°C 24.5°C Group1
22.0°C 24.0°C Entrance 2
22.0°C 24.0°C Entrance 3
22.0°C 24.0°C Entrance 4
22.0°C 24.0°C Entrance 5
24.5°C 24.0°C Entrance 6
22.5°C 24.0°C Meeting room A
23.0°C 24.0°C Meeting room B
22.0°C 24.0°C Meeting room C
24.0°C 24.0°C Meeting room D
23.5°C 24.0°C Meeting room E
23.5°C 24.0°C Elevator Hall
22.5°C 24.0°C Tenant 1F-A
22.5°C 24.0°C Tenant 1F-B
22.0°C 24.0°C Tenant 1F-C
24.5°C 24.0°C Tenant 1F-D
23.0°C 24.0°C Tenant 1F-E
22.0°C 24.0°C Tenant
23.0°C 24.0°C Group20
24.0°C 24.0°C Group23
24.0°C Tenant A
24.0°C Tenant B
24.0°C Tenant C
24.0°C Tenant D
24.0°C Tenant E
Tenant F
Tenant G
Tenant H
Tenant I
Tenant J
Operate

**Weekly schedule number**

**Number of units in error**

**Number of units whose filter sign is turned on**

**Room temperature, set temperature, or room humidity**

**Group name**

**Operate**
Touch to display the operation settings screen of the selected group.

**Floor selection**

**Area selection**

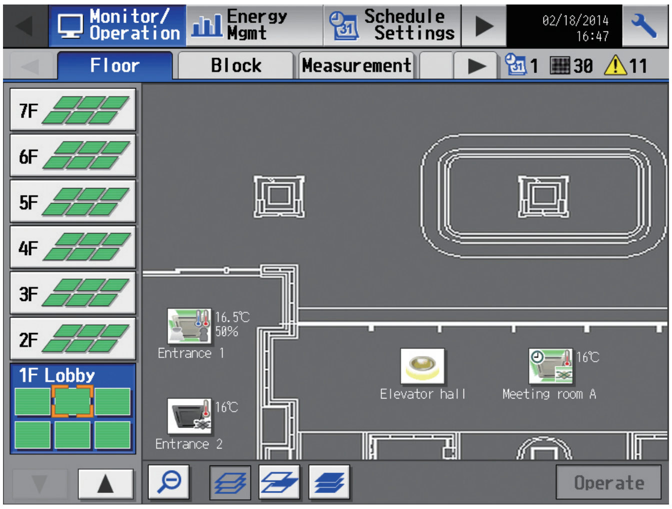
**Group icons**
The icon indicates the operation condition of the group.

**Zoom-out/Zoom-in**

**Deselect-all**

**Select-all-groups-on-the-floor**

**Select-all-groups**

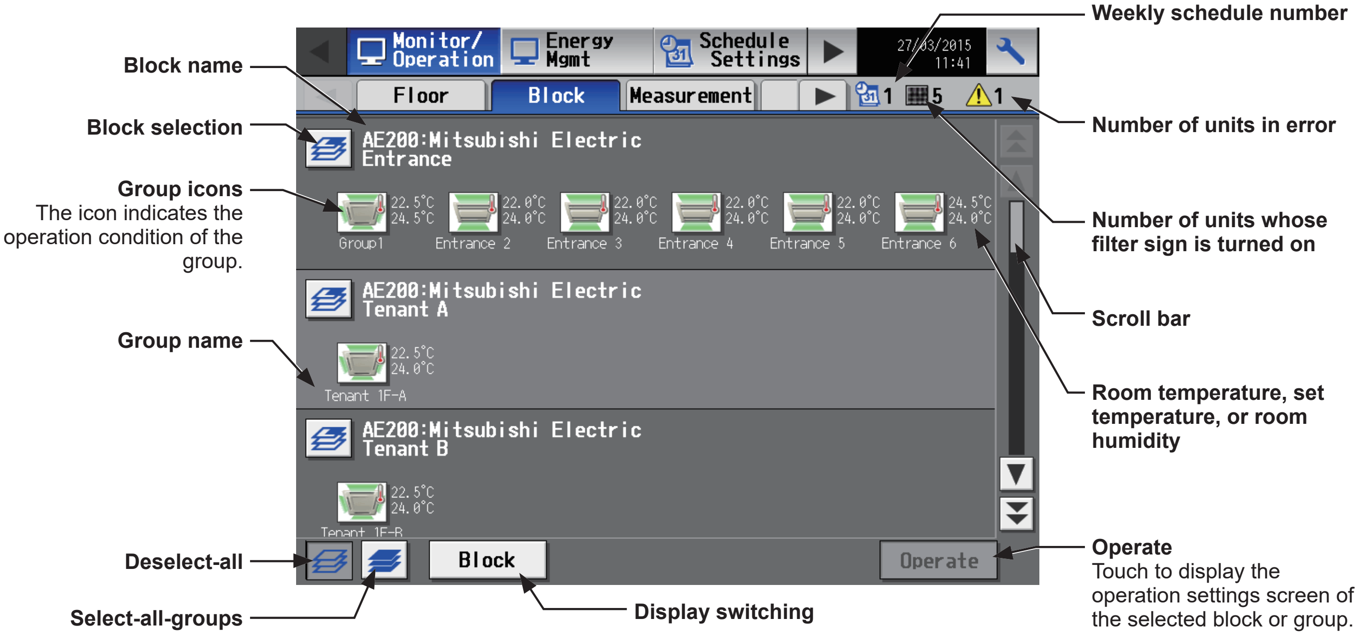

Monitor/ Operation
Energy Mgmt
Schedule Settings
02/18/2014 16:47
Floor
Block
Measurement
1 30 11
7F
6F
5F
4F
3F
2F
1F Lobby
16.5℃ 50% Entrance 1
16℃ Entrance 2
Elevator hall
16℃ Meeting room A
Operate

| Item | Description |
|---|---|
| Floor selection | Select a floor you want to monitor. |
| Area selection | Select an area of the selected floor you want to monitor. |
| Group name | The name of the group will appear. |
| Room temperature, set temperature, or room humidity | Indoor unit return air temperature, set temperature, or room humidity will appear.<br>Note: The outlet air temperature is displayed for the room temperature of outlet air temperature control units. |
| Weekly schedule number | The weekly schedule number that is currently effective will appear. |
| Number of units whose filter sign is turned on *1 | The number of units whose filter sign is currently turned on will appear. Touching "▦" will bring up the [Filter Sign] screen. (See section 3-4-2 "Filter Sign List".) |
| Number of units in error *1 | The number of units that are currently in error will appear. Touching "⚠" will bring up the [Malfunction] screen. (See section 3-4-1 "Malfunction List".) |
| Deselect-all | Touch to cancel all group selections. |
| Select-all-groups-on-the-floor | Touch to select all groups on the currently selected floor. |
| Select-all-groups | Touch to select all groups. |
| Zoom-out | Touch to display the status of the whole floor. |
| Zoom-in | Touch to go to the zoomed-in screen. |

*1 The item will not appear if the number of units is "0."

## [2] [Block] display

Touch [Monitor/Operation] in the menu bar, and then touch [Block].

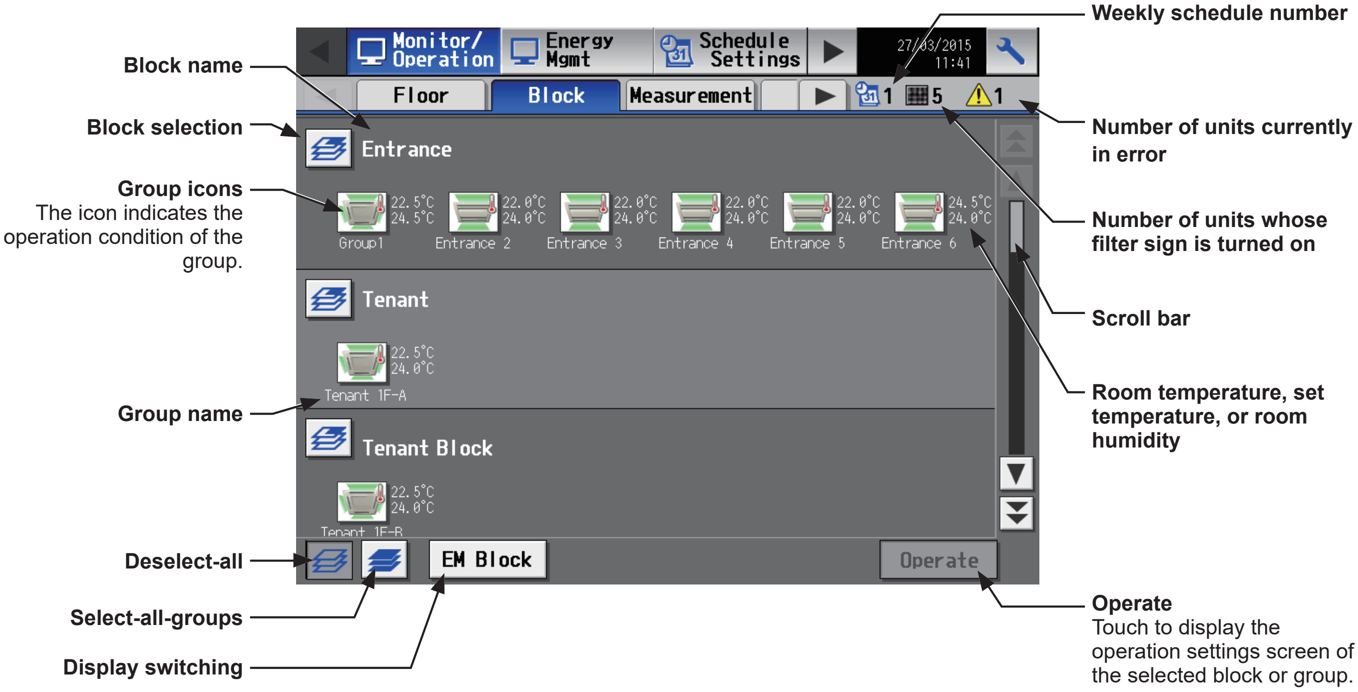

Block name
Block selection
Group icons
The icon indicates the operation condition of the group.
Group name
Deselect-all
Select-all-groups
Display switching
Weekly schedule number
Number of units in error
Number of units whose filter sign is turned on
Scroll bar
Room temperature, set temperature, or room humidity
Operate
Touch to display the operation settings screen of the selected block or group.
Monitor/ Operation
Energy Mgmt
Schedule Settings
27/03/2015 11:41
Floor
Block
Measurement
1
5
1
AE200:Mitsubishi Electric Entrance
22.5°C 24.5°C
Group1
22.0°C 24.0°C
Entrance 2
22.0°C 24.0°C
Entrance 3
22.0°C 24.0°C
Entrance 4
22.0°C 24.0°C
Entrance 5
24.5°C 24.0°C
Entrance 6
AE200:Mitsubishi Electric Tenant A
22.5°C 24.0°C
Tenant 1F-A
AE200:Mitsubishi Electric Tenant B
22.5°C 24.0°C
Tenant 1F-B
Block
Operate

| Item | Description |
|---|---|
| Block selection | Select a block you want to monitor.<br>(Refer to the Instruction Book (Detailed operations) for details.) |
| Group name | The name of the group will appear. |
| Block name | The name of the block will appear.<br>Note: ["Exp" (AE-50/EW-50 No.): Block name] will appear for the name of the block connected to AE-50/EW-50. |
| Room temperature, set temperature, or room humidity | Indoor unit return air temperature, set temperature, or room humidity will appear.<br>Note: The outlet air temperature is displayed for the room temperature of outlet air temperature control units. |
| Weekly schedule number | The weekly schedule number that is currently effective will appear. |
| Number of units whose filter sign is turned on *1 | The number of units whose filter sign is currently turned on will appear. Touching "▦" will bring up the [Filter Sign] screen. (See section 3-4-2 "Filter Sign List".) |
| Number of units in error *1 | The number of units that are currently in error will appear. Touching "⚠" will bring up the [Malfunction] screen. (See section 3-4-1 "Malfunction List".) |
| Deselect-all | Touch to cancel all group selections. |
| Select-all-groups | Touch to select all groups. |
| Display switching | Switch between Block display and EM Block display. |

*1 The item will not appear if the number of units is "0."

## [3] [EM Block] display

Touch [Monitor/Operation] in the menu bar, and then touch [Block].


Monitor/ Operation
Energy Mgmt
Schedule Settings
27/03/2015 11:41
Floor
Block
Measurement
1
5
1
Entrance
22.5°C 24.5°C
Group1
22.0°C 24.0°C
Entrance 2
22.0°C 24.0°C
Entrance 3
22.0°C 24.0°C
Entrance 4
22.0°C 24.0°C
Entrance 5
24.5°C 24.0°C
Entrance 6
Tenant
22.5°C 24.0°C
Tenant 1F-A
Tenant Block
22.5°C 24.0°C
Tenant 1F-B
EM Block
Operate
Block name
Block selection
Group icons
Group name
Deselect-all
Select-all-groups
Display switching
Weekly schedule number
Number of units currently in error
Number of units whose filter sign is turned on
Scroll bar
Room temperature, set temperature, or room humidity
Operate

Group icons: The icon indicates the operation condition of the group.

Operate: Touch to display the operation settings screen of the selected block or group.

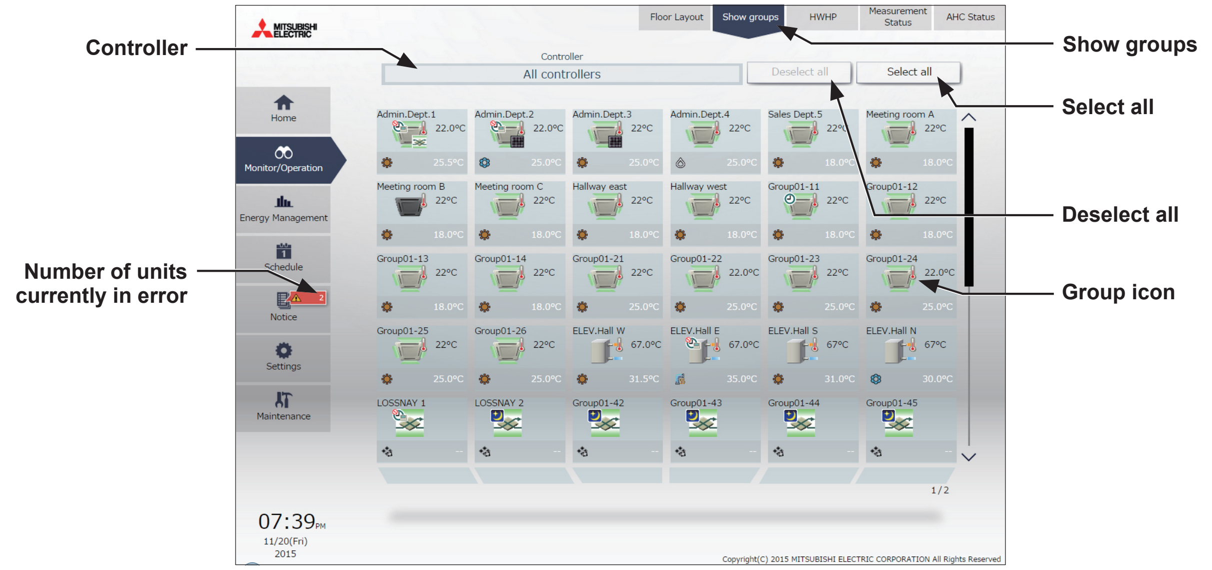
| Item | Description |
|---|---|
| Block selection | Select a block you want to monitor. |
| Group name | The name of the group will appear. |
| Block name | The name of the block will appear. |
| Room temperature, set temperature, or room humidity | Indoor unit return air temperature, set temperature, or room humidity will appear.<br>Note: The outlet air temperature is displayed for the room temperature of outlet air temperature control units. |
| Weekly schedule number | The weekly schedule number that is currently effective will appear. |
| Number of units whose filter sign is turned on *1 | The number of units whose filter sign is currently turned on will appear. Touching "▦" will bring up the [Filter Sign] screen. (See section 3-4-2 "Filter Sign List".) |
| Number of units currently in error *1 | The number of units that are currently in error will appear. Touching "⚠" will bring up the [Malfunction] screen. (See section 3-4-1 "Malfunction List".) |
| Deselect-all | Touch to cancel all group selections. |
| Select-all-groups | Touch to select all groups. |
| Display switching | Switch between Block display and EM Block display. |

*1 The item will not appear if the number of units is "0."

## 3-1-3-2. Integrated Centralized Control Web

### [1] Group display

Click [Monitor/Operation] in the menu, and then click [Show groups] to display the operation status of unit groups.


Controller
Number of units currently in error
Show groups
Select all
Deselect all
Group icon
Floor Layout
Show groups
HWHP
Measurement Status
AHC Status
Controller
All controllers
Deselect all
Select all
Home
Monitor/Operation
Energy Management
Schedule
Notice
Settings
Maintenance
Admin.Dept.1
Admin.Dept.2
Admin.Dept.3
Admin.Dept.4
Sales Dept.5
Meeting room A
Meeting room B
Meeting room C
Hallway east
Hallway west
Group01-11
Group01-12
Group01-13
Group01-14
Group01-21
Group01-22
Group01-23
Group01-24
Group01-25
Group01-26
ELEV.Hall W
ELEV.Hall E
ELEV.Hall S
ELEV.Hall N
LOSSNAY 1
LOSSNAY 2
Group01-42
Group01-43
Group01-44
Group01-45
1 / 2
07:39PM
11/20(Fri)
2015
Copyright(C) 2015 MITSUBISHI ELECTRIC CORPORATION All Rights Reserved

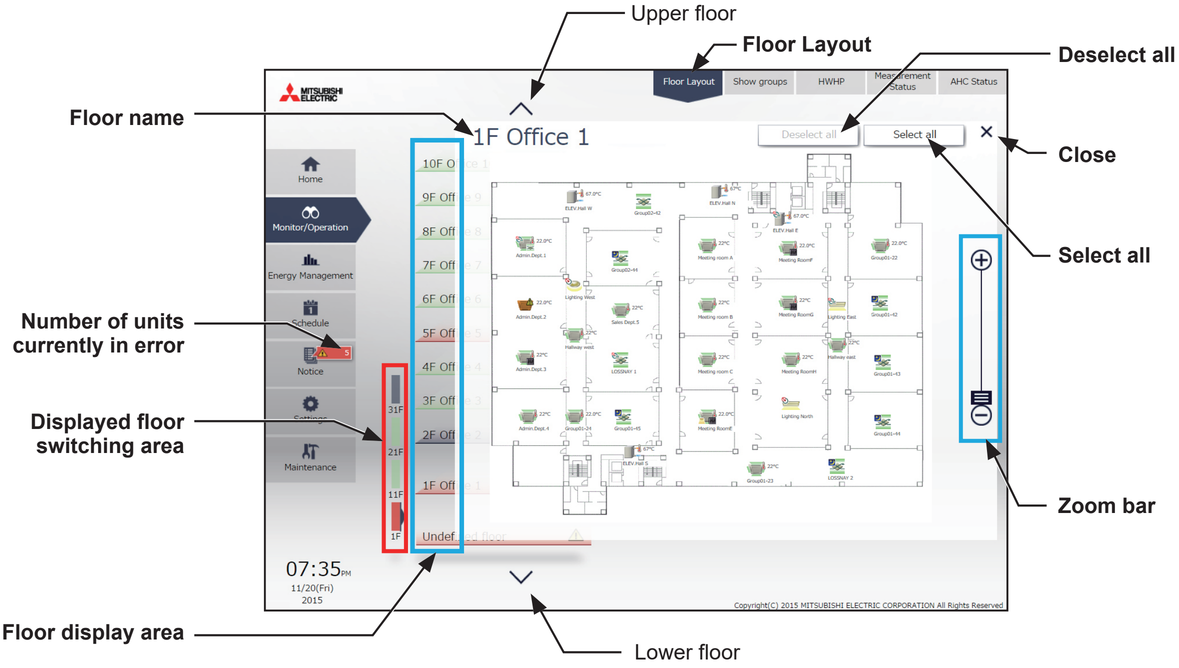
| Item | Description |
|---|---|
| Controller | Click to narrow down the unit groups to display into “Centralized controller units,” “Block units,” and “Energy management block units.” |
| Number of units currently in error | The number of units that are under the control of AE-200/AE-50/EW-50 and currently in error will appear. Clicking [Notice] > [Error List] will bring up the Error List screen. (See section 3-4-1 “Malfunction List”.) |
| Select all | Click to select all unit groups that are displayed. |
| Deselect all | Click to cancel all selections at once. |
| Group icon | Type and status of units that belong to the group will appear. |

## [2] Floor Layout display

Click [Monitor/Operation] in the menu, and then click [Floor Layout] or “Floor display area” to display the operation status of unit groups on the floor layout. The floor layout to be displayed can be changed by clicking “Floor display area” and “Displayed floor switching area” while the floor layout is displayed.

Note: If you click “Floor display area” in the Home screen, the menu changes to [Monitor/Operation] and the floor layout of the clicked floor is displayed.

Note: If a floor layout is not registered, a floor layout will not be displayed.


Upper floor
Floor Layout
Deselect all
Floor name
Close
Select all
Number of units currently in error
Displayed floor switching area
Zoom bar
Floor display area
Lower floor
Floor Layout
Show groups
HWHP
Measurement Status
AHC Status
1F Office 1
Deselect all
Select all
Home
Monitor/Operation
Energy Management
Schedule
Notice
Settings
Maintenance
10F O
9F Off
8F Off
7F Off
6F Off
5F Off
4F Off
3F Off
2F Off
1F Off
Undef
31F
21F
11F
1F
07:35PM
11/20(Fri)
2015
Copyright(C) 2015 MITSUBISHI ELECTRIC CORPORATION All Rights Reserved

| Item | Description |
|---|---|
| Displayed floor switching area | Switches the floors displayed in the floor display area in units of 10 floors.<br>It simply displays the status of the air conditioning units registered to the floors.<br>🟩 (Green): One or more units on the floor are in operation.<br>⬛ (Gray): All units on the floor are stopped.<br>🟥 (Red): One or more units on the floor are in error.<br>Note: The number of buttons for switching displayed floors that are shown differs depending on the settings configured in “Floor settings” of Initial Setting Tool. |
| Floor display area | Displays the operation status of the air conditioning units for 10 floors.<br>It simply displays the status of the air conditioning units registered to the floors.<br>Green : One or more units on the floor are in operation.<br>Gray : All units on the floor are stopped.<br>Red ⚠ : One or more units on the floor are in error. |
| Number of units currently in error | The number of units that are under the control of AE-200/AE-50/EW-50 and currently in error will appear. Clicking [Notice] > [Error List] will bring up the Error List screen. (See section 3-4-1 “Malfunction List”.) |
| Floor name | The name of the floor shown is displayed. |
| Upper floor | Click to move to the upper floor. |
| Lower floor | Click to move to the lower floor. |
| Select all | Click to select all unit groups that are displayed. |
| Deselect all | Click to cancel all selections at once. |
| Close | Click to close the Floor Layout screen. |
| Zoom bar | Click to zoom in/out the floor layout. |

## 3-1-4. Selecting the icons of the groups to be operated

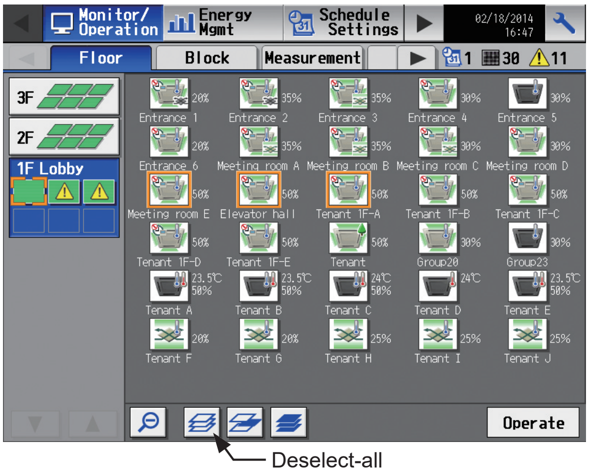
On the [Floor] or [Block] display under the [Monitor/Operation] menu, select the icon(s) of the group(s) to be operated as explained below, and then touch [Operate] (click [Advanced] on the Integrated Centralized Control Web) to bring up the operation settings screen.

### 3-1-4-1. LCD

### [1] Selecting group icons

#### (1) Selecting a group

On the [Floor] or [Block] display, touch the icon(s) of the group(s) you want to operate. The selected group icon(s) will appear with an orange frame.
Touch again to deselect.
To cancel all group selections, touch the "Deselect-all" button.

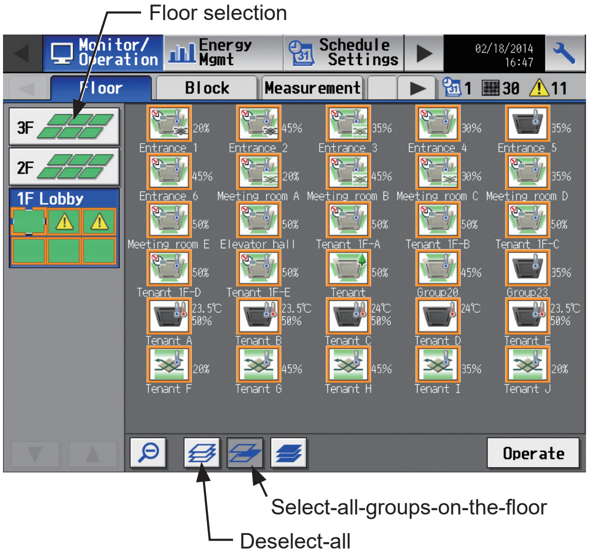

Monitor/ Operation
Energy Mgmt
Schedule Settings
02/18/2014 16:47
Floor
Block
Measurement
1 30 11
3F
2F
1F Lobby
Entrance 1
Entrance 2
Entrance 3
Entrance 4
Entrance 5
Entrance 6
Meeting room A
Meeting room B
Meeting room C
Meeting room D
Meeting room E
Elevator hall
Tenant 1F-A
Tenant 1F-B
Tenant 1F-C
Tenant 1F-D
Tenant 1F-E
Tenant
Group20
Group23
Tenant A
Tenant B
Tenant C
Tenant D
Tenant E
Tenant F
Tenant G
Tenant H
Tenant I
Tenant J
Operate

Deselect-all

#### (2) Selecting all groups on the selected floor

On the [Floor] display, touch the floor(s) you want to operate, and then touch the "Select-all-groups-on-the-floor" button. The selected floor and group icons will appear with an orange frame.
To cancel all group selections, touch the "Deselect-all" button.

Floor selection

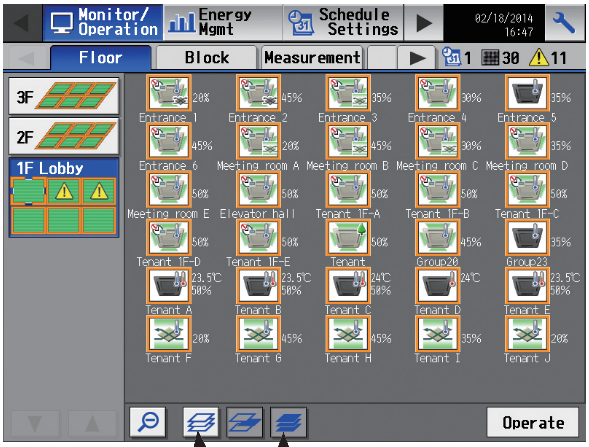

Monitor/ Operation
Energy Mgmt
Schedule Settings
02/18/2014 16:47
Floor
Block
Measurement
1 30 11
3F
2F
1F Lobby
Entrance 1
Entrance 2
Entrance 3
Entrance 4
Entrance 5
Entrance 6
Meeting room A
Meeting room B
Meeting room C
Meeting room D
Meeting room E
Elevator hall
Tenant 1F-A
Tenant 1F-B
Tenant 1F-C
Tenant 1F-D
Tenant 1F-E
Tenant
Group20
Group23
Tenant A
Tenant B
Tenant C
Tenant D
Tenant E
Tenant F
Tenant G
Tenant H
Tenant I
Tenant J
Operate

Select-all-groups-on-the-floor

Deselect-all

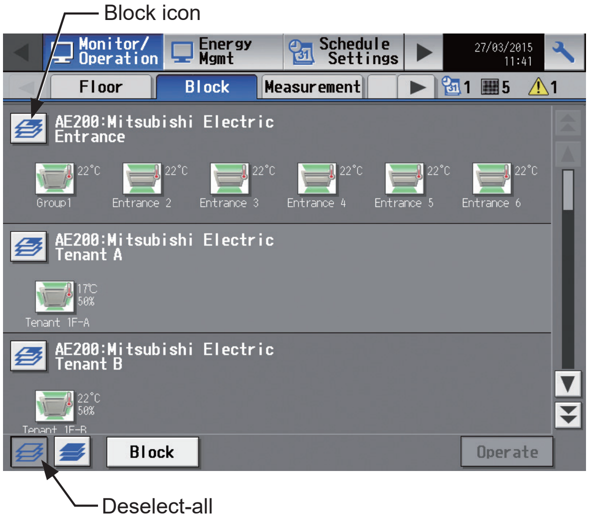
### (3) Selecting all groups on all floors

On the [Floor] or [Block] display, touch the “Select-all-groups” button. All floor and group icons will appear with an orange frame.
To cancel all group selections, touch the “Deselect-all” button.


Monitor/ Operation
Energy Mgmt
Schedule Settings
02/18/2014 16:47
Floor
Block
Measurement
1
30
11
3F
2F
1F Lobby
Entrance 1
Entrance 2
Entrance 3
Entrance 4
Entrance 5
Entrance 6
Meeting room A
Meeting room B
Meeting room C
Meeting room D
Meeting room E
Elevator hall
Tenant 1F-A
Tenant 1F-B
Tenant 1F-C
Tenant 1F-D
Tenant 1F-E
Tenant
Group20
Group23
Tenant A
Tenant B
Tenant C
Tenant D
Tenant E
Tenant F
Tenant G
Tenant H
Tenant I
Tenant J
Operate
Select-all-groups
Deselect-all

### (4) Selecting all groups in the selected block

On the [Block] or [EM Block] display, touch the block(s) you want to operate. The selected block and group icons will appear with an orange frame.
Touch again to deselect.
To cancel all group selections, touch the “Deselect-all” button.


Block icon
Monitor/ Operation
Energy Mgmt
Schedule Settings
27/03/2015 11:41
Floor
Block
Measurement
1
5
1
AE200:Mitsubishi Electric Entrance
Group1
Entrance 2
Entrance 3
Entrance 4
Entrance 5
Entrance 6
AE200:Mitsubishi Electric Tenant A
Tenant 1F-A
AE200:Mitsubishi Electric Tenant B
Tenant 1F-B
Block
Operate
Deselect-all

## [2] Selecting equipment type

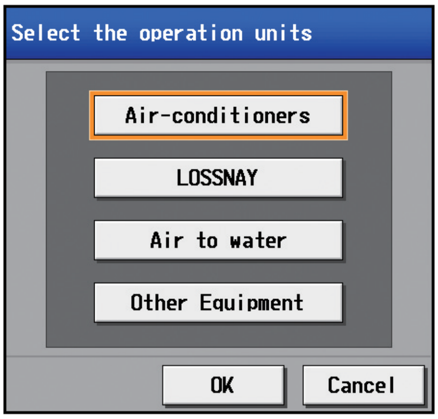
### (1) When the equipment types of all selected groups are the same

Selecting the group icons and touching [Operate] will bring up the operation settings screen for the selected groups.
Refer to section 3-1-5 “Operation settings screen” for details about the operation settings.

### (2) When the equipment types of the selected groups are different

Selecting the group icons and touching [Operate] will bring up the equipment type selection screen.
Touch the equipment type(s) you want to operate, and then touch [OK] to bring up the operation settings screen for the selected equipment groups.
Refer to section 3-1-5 “Operation settings screen” for details about the operation settings.

Note: When two or more equipment types are selected, only the [ON/OFF], [Schedule], and [Hold] settings will appear on the operation settings screen.


Select the operation units
Air-conditioners
LOSSNAY
Air to water
Other Equipment
OK
Cancel

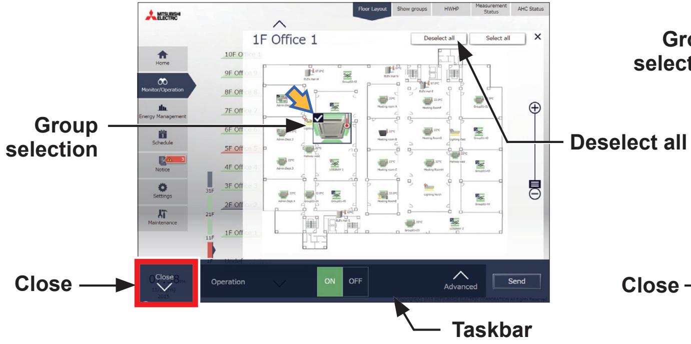
## 3-1-4-2. Integrated Centralized Control Web

### [1] Selecting group icons

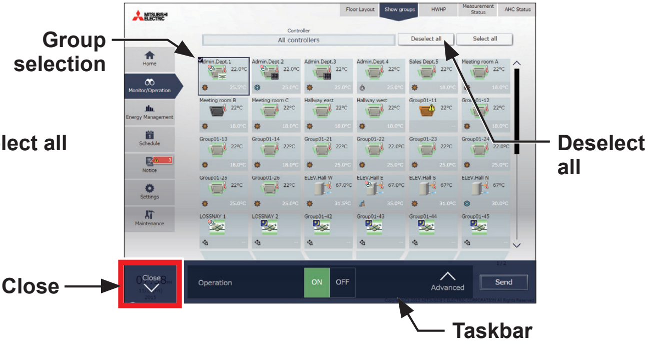
### (1) Selecting unit group(s)

(1) In the Floor Layout screen or group list, click the icon(s) of the group(s) you want to operate.
The selected group icon(s) will appear with a checkmark and a dark blue frame.
Click again to deselect.
To cancel all group selections, click [Deselect all] or [Close] in the taskbar.

**Floor Layout**


Group selection
Deselect all
Close
Taskbar
1F Office 1
Deselect all
Select all
Operation
ON
OFF
Advanced
Send

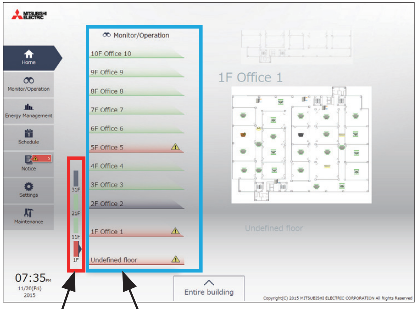
**Group list**


Group selection
Deselect all
Close
Taskbar
All controllers
Deselect all
Select all
Operation
ON
OFF
Advanced
Send

### (2) Selecting all unit groups on the selected floor

(1) Select the floor for which you wish to perform operation by making a selection in “Displayed floor switching area” and then “Floor display area” on the Home (Preview) screen, and then click [Select all] on the [Floor Layout] screen.
All icon(s) on the selected floor will appear with a checkmark and a dark blue frame.
To cancel all group selections, click [Deselect all] or [Close] in the taskbar.

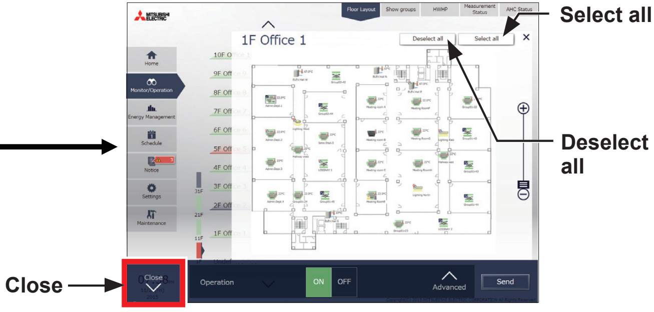
**Home (Preview)**


Monitor/Operation
10F Office 10
9F Office 9
8F Office 8
7F Office 7
6F Office 6
5F Office 5
4F Office 4
3F Office 3
2F Office 2
1F Office 1
Undefined floor
1F Office 1
Entire building
07:35

①**Displayed floor switching area**
Select the unit of floors that includes the floor for which you wish to perform operation.

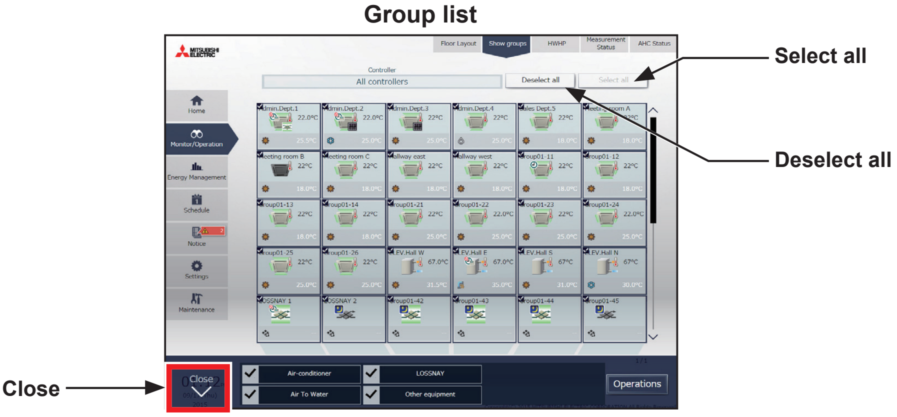
② **Floor display area**
Select the floor for which you wish to perform operation.

**Floor Layout**


Select all
Deselect all
Close
1F Office 1
Deselect all
Select all
Operation
ON
OFF
Advanced
Send

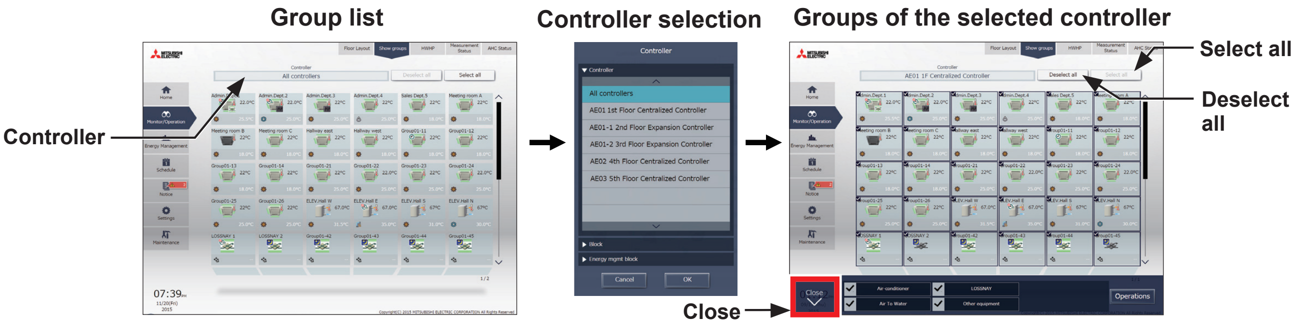
### (3) Selecting all groups

(1) In the group list, click [Select all].
The all icon(s) will appear with a checkmark and a dark blue frame.
To cancel all group selections, click [Deselect all] or [Close] in the taskbar.


Group list
Select all
Deselect all
Close

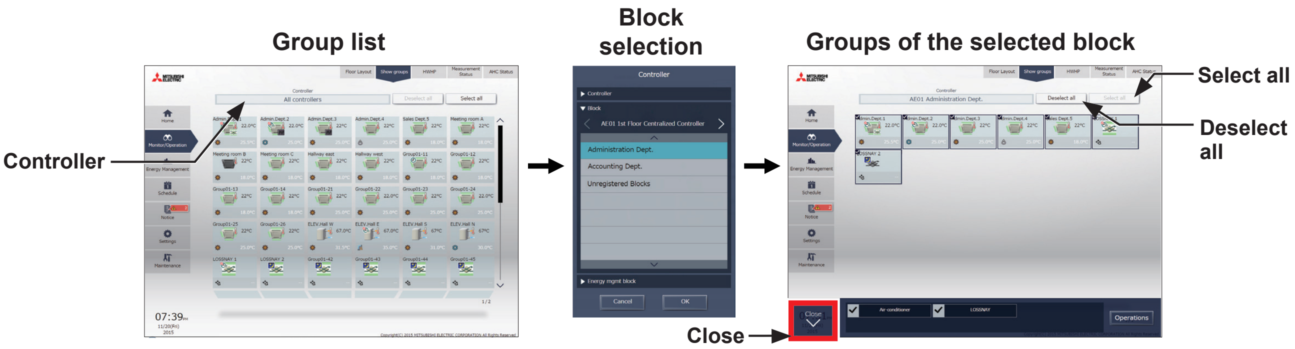
### (4) Selecting all groups of a given centralized controller

(1) In the group list, click [Controller]. In the controller selection screen, select a centralized controller.
The unit groups that are under the control of the selected centralized controller will appear.
In the group list (centralized controller units), click [Select all]. All icons will appear with a checkmark and a dark blue frame.
To cancel all group selections, click [Deselect all] or [Close] in the taskbar.


Group list
Controller selection
Groups of the selected controller
Controller
Select all
Deselect all
Close

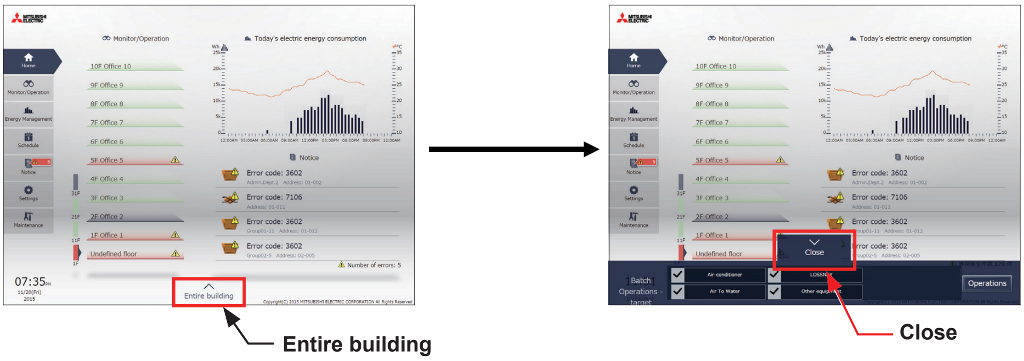
### (5) Selecting all groups in a given block/energy management block

(1) In the group list, click [Controller]. In the block selection screen, select a block.
The unit groups that belong to the selected block will appear.
In the group list (block units), click [Select all]. All icons will appear with a checkmark and a dark blue frame.
To cancel all group selections, click [Deselect all] or [Close] in the taskbar.


Group list
Block selection
Groups of the selected block
Controller
Select all
Deselect all
Close

### (6) Selecting all groups in the entire building

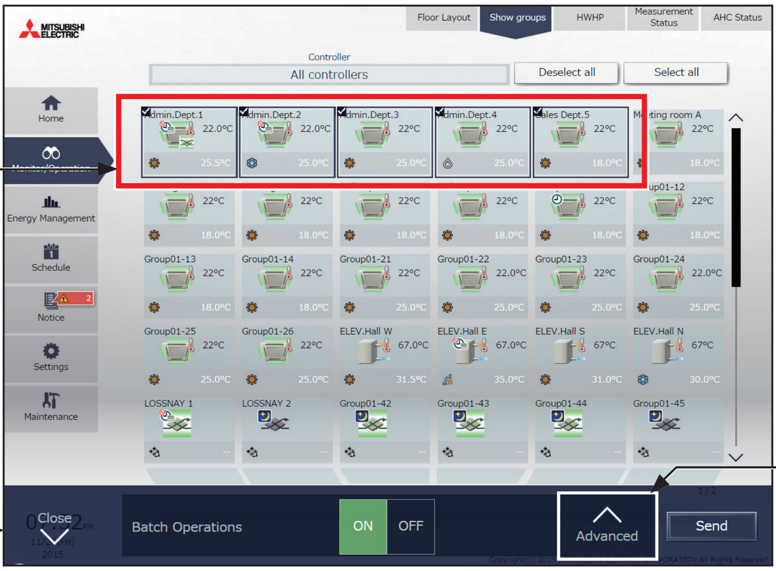
(1) In the Home screen, click [Entire building].
To cancel all group selections, click [Close] in the taskbar.


Entire building
Close

## [2] Selecting equipment type

### (1) When the equipment types of all selected groups are the same

Selecting the group icons to operate and clicking [Advanced] in the taskbar will bring up the operation settings screen for the selected groups.
Refer to section 3-1-5 “Operation settings screen” for details about the advanced settings.


Floor Layout
Show groups
HWHP
Measurement Status
AHC Status
Controller
All controllers
Deselect all
Select all
Home
Monitor/Operation
Energy Management
Schedule
Notice
Settings
Maintenance
Close
Batch Operations
ON
OFF
Advanced
Send

**Selecting groups of the same equipment type**

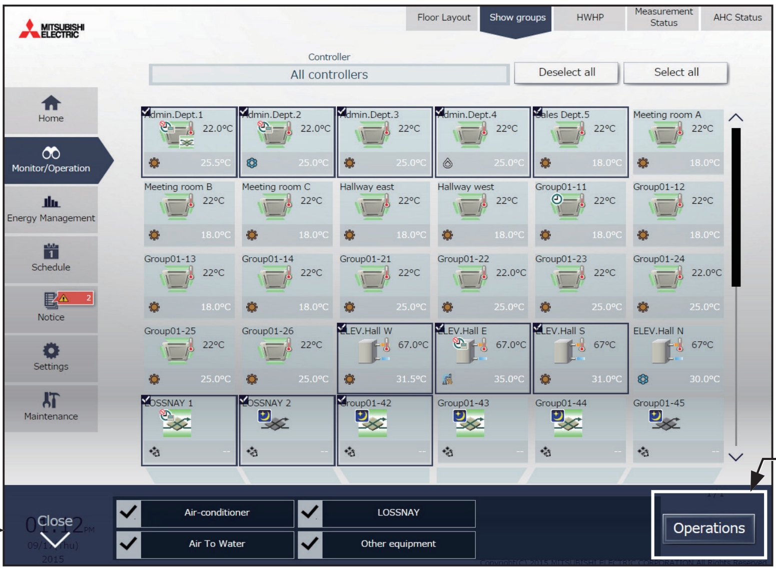
**Taskbar**

**Advanced settings**

Note: [ON] and [OFF] operations can be performed on the taskbar for the selected unit groups.

### (2) When the equipment types of the selected groups are different

Selecting the group icons to operate will bring up the equipment type selection options in the taskbar.
Select an equipment type, and click [Operations] to display the operation settings screen.
Refer to section 3-1-5 “Operation settings screen” for details about the advanced settings.


Floor Layout
Show groups
HWHP
Measurement Status
AHC Status
Controller
All controllers
Deselect all
Select all
Home
Monitor/Operation
Energy Management
Schedule
Notice
Settings
Maintenance
Close
☑ Air-conditioner
☑ LOSSNAY
☑ Air To Water
☑ Other equipment
Operations

**Taskbar**

**Operations**
Click to operate all groups of the selected equipment type at once.

Note: When two or more equipment types are selected, only the [ON/OFF] and [Schedule] settings can be configured.
Note: [Other equipment] in the taskbar indicates general equipment.

## 3-1-5. Operation settings screen

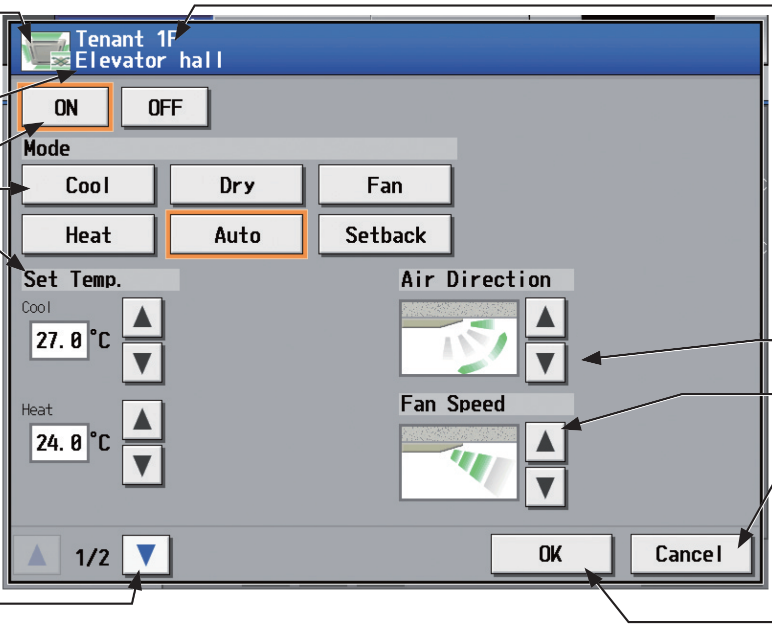
On the screen under the [Monitor/Operation] menu, selecting the group icon and touching [Operate] (click [Advanced] on the Integrated Centralized Control Web) will bring up the operation settings screen for the selected group. The current operation conditions will appear.

Change necessary operation settings, and then touch [OK] (click [Send] on the Integrated Centralized Control Web) to save the settings. Touch [Cancel] (click [Close] on the Integrated Centralized Control Web) to return to the previous screen without making any changes.

Note: When the setting is changed from other controllers, the operation conditions shown on the screen will not be updated while the screen is open.

### 3-1-5-1. LCD

1st page


Tenant 1F
Elevator hall
ON
OFF
Mode
Cool
Dry
Fan
Heat
Auto
Setback
Set Temp.
Cool
27.0 °C
Heat
24.0 °C
Air Direction
Fan Speed
1/2
OK
Cancel

**Group icon**

**Group name**

**ON/OFF**

**Operation mode**

**Set temperature**

Touch to go to the next page.

**Floor name or block name**

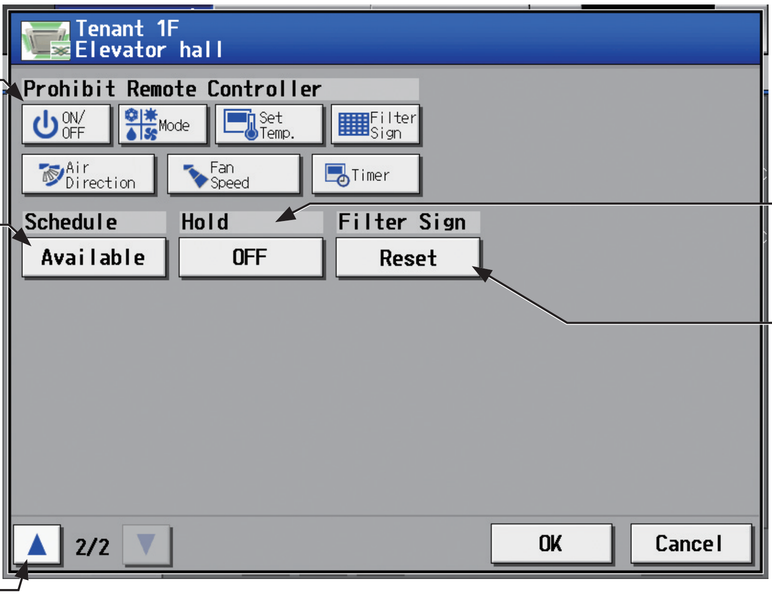
**Air Direction**

**Fan Speed**

**Cancel**
Touch to return to the previous screen without making any changes.

**OK**
Touch to reflect the changes made.

2nd page


Tenant 1F
Elevator hall
Prohibit Remote Controller
ON/OFF
Mode
Set Temp.
Filter Sign
Air Direction
Fan Speed
Timer
Schedule
Available
Hold
OFF
Filter Sign
Reset
2/2
OK
Cancel

**Prohibit Remote Controller**

**Schedule**

Touch to go to the previous page.

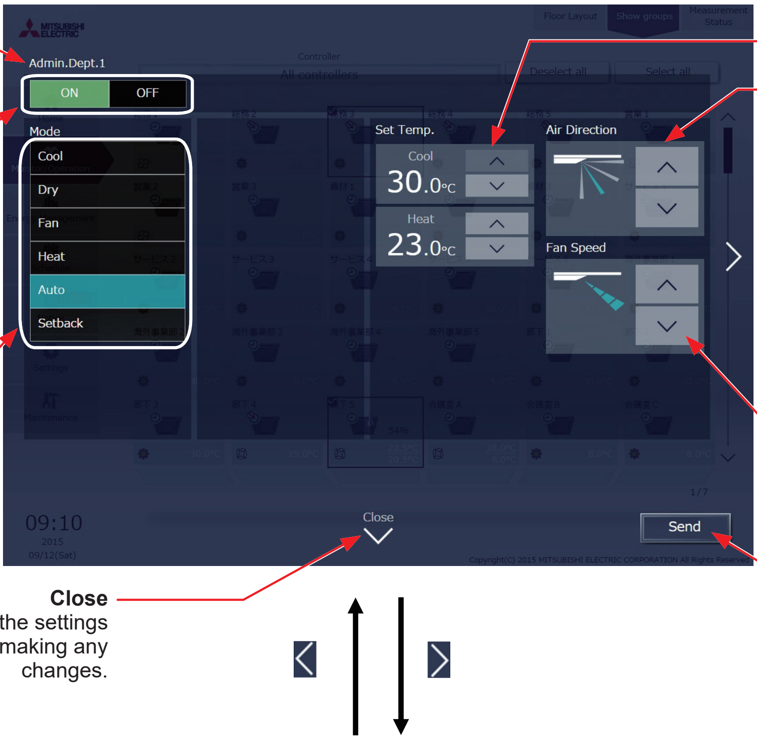
**Hold**

**Filter Sign**

Note: The Setback mode can be selected on the AE-200A/AE-50A, but not on the AE-200E/AE-50E.

Note: The Hold function can be used on the AE-200A/AE-50A, but not on the AE-200E/AE-50E.

## 3-1-5-2. Integrated Centralized Control Web


MITSUBISHI ELECTRIC
Floor Layout
Show groups
Measurement Status
Controller
All controllers
Deselect all
Select all
Mode
Cool
Dry
Fan
Heat
Auto
Setback
Air Direction
Fan Speed
Close
Send
1/7
09:10
2015
09/12(Sat)
Copyright(C) 2015 MITSUBISHI ELECTRIC CORPORATION All Rights Reserved.

Admin.Dept.1

ON OFF

Set Temp.
Cool 30.0°C
Heat 23.0°C

**Group name**

**ON/OFF**

**Operation mode**

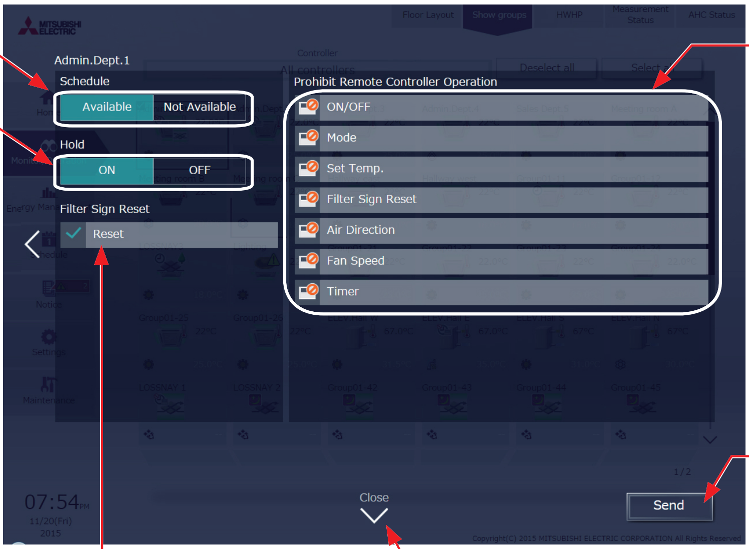
**Set temperature**

**Air Direction**

**Fan Speed**

**Close**
Click to close the settings screen without making any changes.

**Send**
Click to reflect the changes made.


MITSUBISHI ELECTRIC
Floor Layout
Show groups
HWHP
Measurement Status
AHC Status
Controller
Deselect all
Select
Close
Send
1/2
07:54 PM
11/20(Fri)
2015
Copyright(C) 2015 MITSUBISHI ELECTRIC CORPORATION All Rights Reserved.

Admin.Dept.1

Schedule
Available Not Available

Hold
ON OFF

Filter Sign Reset
✓ Reset

Prohibit Remote Controller Operation
ON/OFF
Mode
Set Temp.
Filter Sign Reset
Air Direction
Fan Speed
Timer

**Schedule**

**Hold**

**Prohibit Remote Controller Operation**

**Send**
Click to reflect the changes made.

**Filter Sign Reset**
Click to reset the filter sign.

**Close**
Click to close the settings screen without making any changes.

Note: The Setback mode can be selected on the AE-200A/AE-50A, but not on the AE-200E/AE-50E.
Note: The Hold function can be used on the AE-200A/AE-50A, but not on the AE-200E/AE-50E.

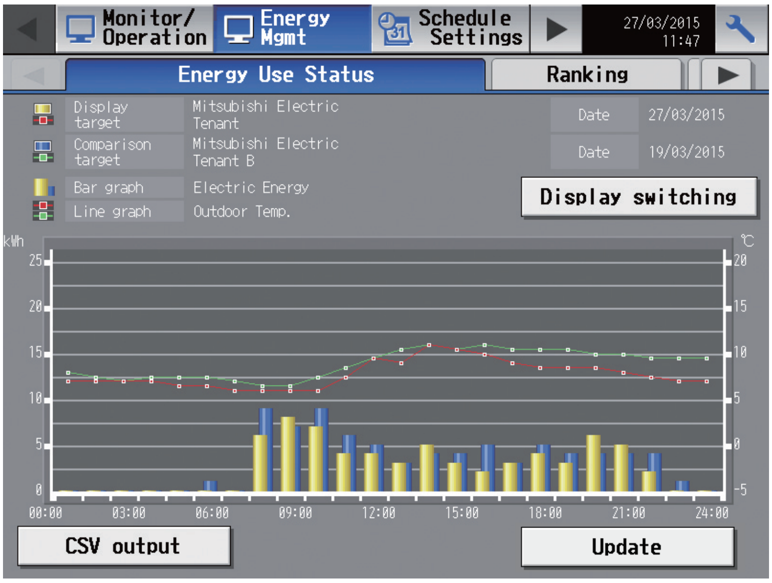
## 3-2. Energy Management

Only the outline of energy management function is given in this manual. For details on how to use the function, refer to the AE-200/AE-50 Instruction Book (Detailed operations) or the AE-200/AE-50/EW-50 Instruction Book (Integrated Centralized Control Web).

## 3-2-1. Energy Use Status

On the [Energy Use Status] screen, the energy-control-related status, such as electric energy consumption, operation time, and outdoor temperature, can be displayed in a graph.

### 3-2-1-1. LCD


Monitor/ Operation
Energy Mgmt
Schedule Settings
27/03/2015
11:47
Energy Use Status
Ranking
Display switching
kWh
℃
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
24:00
CSV output
Update

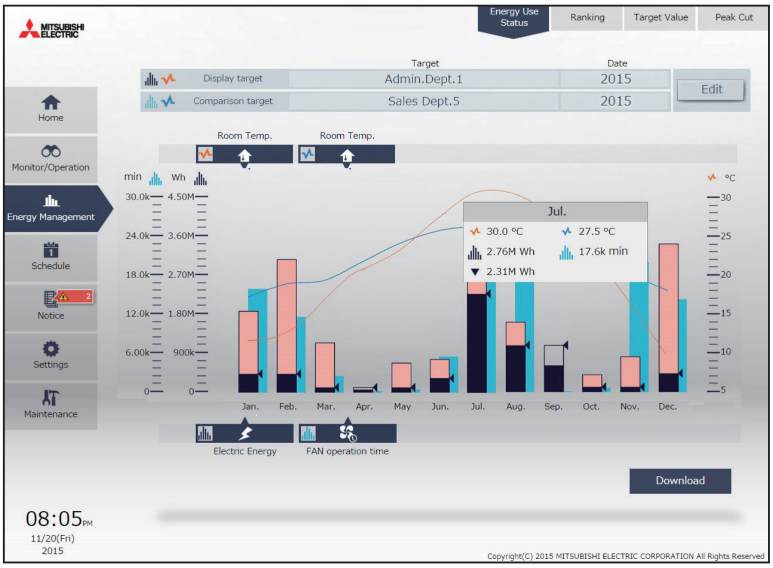
Display target: Mitsubishi Electric Tenant — Date: 27/03/2015

Comparison target: Mitsubishi Electric Tenant B — Date: 19/03/2015

Bar graph: Electric Energy

Line graph: Outdoor Temp.

### 3-2-1-2. Integrated Centralized Control Web


Energy Use Status
Ranking
Target Value
Peak Cut
Home
Monitor/Operation
Energy Management
Schedule
Notice
2
Settings
Maintenance
Edit
Room Temp.
Room Temp.
min
Wh
°C
30.0k
24.0k
18.0k
12.0k
6.00k
0
4.50M
3.60M
2.70M
1.80M
900k
0
30
25
20
15
10
5
Jan.
Feb.
Mar.
Apr.
May
Jun.
Jul.
Aug.
Sep.
Oct.
Nov.
Dec.
Electric Energy
FAN operation time
Download
08:05PM
11/20(Fri)
2015
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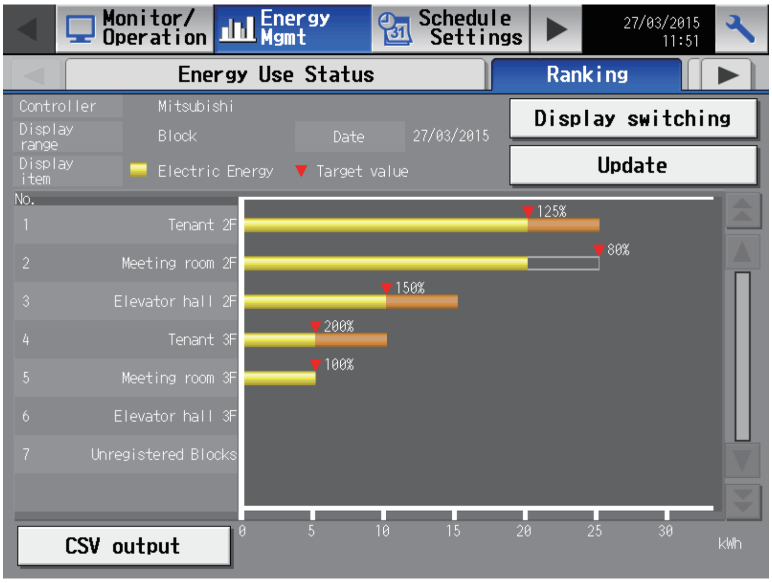
| | Target | Date |
|---|---|---|
| Display target | Admin.Dept.1 | 2015 |
| Comparison target | Sales Dept.5 | 2015 |

Jul.
30.0 °C  27.5 °C
2.76M Wh  17.6k min
▼ 2.31M Wh

## 3-2-2. Ranking

On the Ranking screen, the rankings in electric energy consumption, fan operation time, and Thermo-ON time (Total/ Cool/Heat) of given indoor units can be displayed per block, group, and unit address in descending order in the bar graph.

### 3-2-2-1. LCD



Controller: Mitsubishi

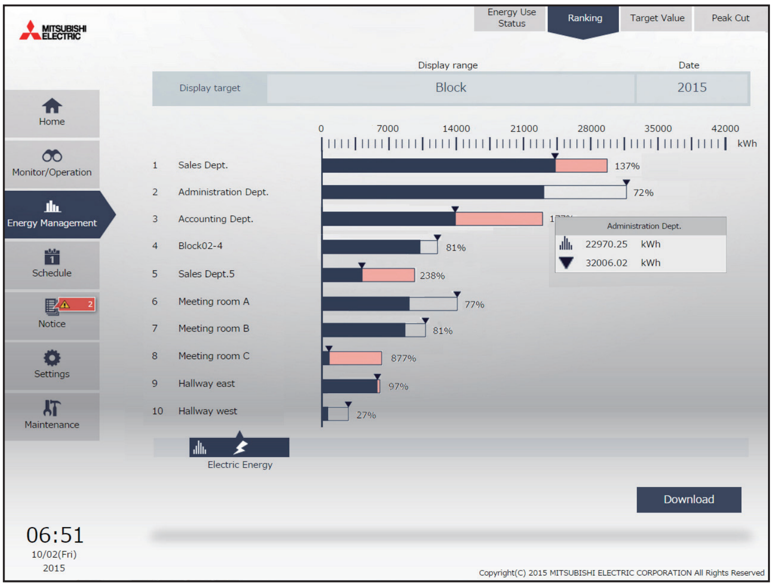
Display range: Block

Date: 27/03/2015

Display item: Electric Energy ▼ Target value

Monitor/ Operation
Energy Mgmt
Schedule Settings
27/03/2015
11:51
Energy Use Status
Ranking
Display switching
Update
No.
1 Tenant 2F
2 Meeting room 2F
3 Elevator hall 2F
4 Tenant 3F
5 Meeting room 3F
6 Elevator hall 3F
7 Unregistered Blocks
125%
80%
150%
200%
100%
CSV output
0
5
10
15
20
25
30
kWh

### 3-2-2-2. Integrated Centralized Control Web



Display range: Display target Block

Date: 2015

Administration Dept.
22970.25 kWh
▼ 32006.02 kWh

Energy Use Status
Ranking
Target Value
Peak Cut
Home
Monitor/Operation
Energy Management
Schedule
Notice
Settings
Maintenance
0
7000
14000
21000
28000
35000
42000
kWh
1 Sales Dept.
2 Administration Dept.
3 Accounting Dept.
4 Block02-4
5 Sales Dept.5
6 Meeting room A
7 Meeting room B
8 Meeting room C
9 Hallway east
10 Hallway west
137%
72%
81%
238%
77%
81%
877%
97%
27%
Electric Energy
Download
06:51
10/02(Fri)
2015
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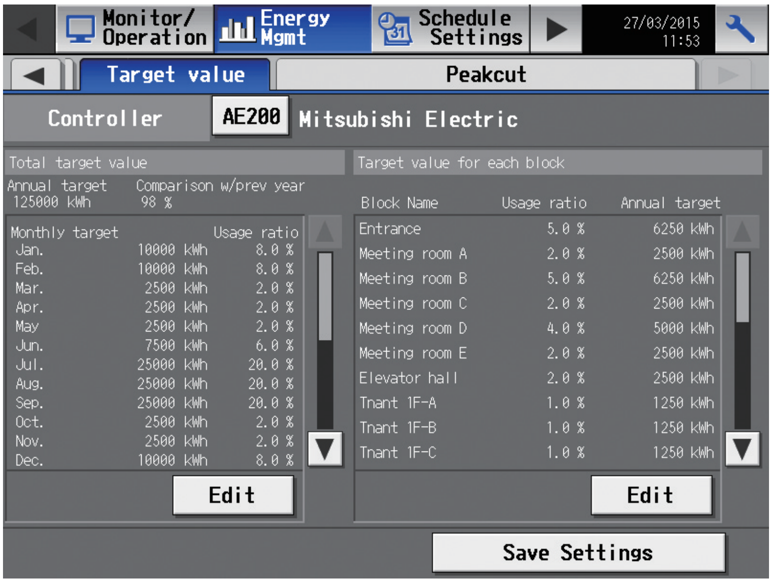
## 3-2-3. Target value

This section explains how to set the target electric energy consumption values for the entire system for the current year, each month, each day of the week, and each block.

### 3-2-3-1. LCD


Monitor/ Operation
Energy Mgmt
Schedule Settings
27/03/2015
11:53
Target value
Peakcut
Controller
AE200
Mitsubishi Electric
Edit
Edit
Save Settings

Total target value

Annual target 125000 kWh

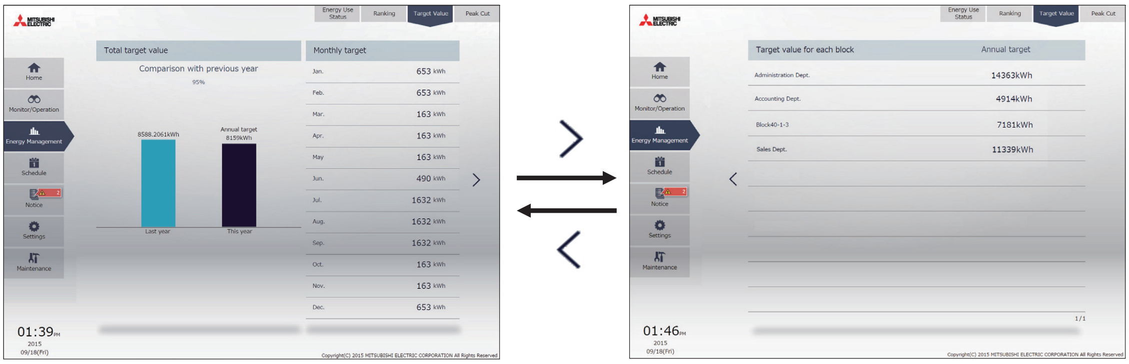
Comparison w/prev year 98 %

| Monthly target | | Usage ratio |
|---|---|---|
| Jan. | 10000 kWh | 8.0 % |
| Feb. | 10000 kWh | 8.0 % |
| Mar. | 2500 kWh | 2.0 % |
| Apr. | 2500 kWh | 2.0 % |
| May | 2500 kWh | 2.0 % |
| Jun. | 7500 kWh | 6.0 % |
| Jul. | 25000 kWh | 20.0 % |
| Aug. | 25000 kWh | 20.0 % |
| Sep. | 25000 kWh | 20.0 % |
| Oct. | 2500 kWh | 2.0 % |
| Nov. | 2500 kWh | 2.0 % |
| Dec. | 10000 kWh | 8.0 % |

Target value for each block

| Block Name | Usage ratio | Annual target |
|---|---|---|
| Entrance | 5.0 % | 6250 kWh |
| Meeting room A | 2.0 % | 2500 kWh |
| Meeting room B | 5.0 % | 6250 kWh |
| Meeting room C | 2.0 % | 2500 kWh |
| Meeting room D | 4.0 % | 5000 kWh |
| Meeting room E | 2.0 % | 2500 kWh |
| Elevator hall | 2.0 % | 2500 kWh |
| Tnant 1F-A | 1.0 % | 1250 kWh |
| Tnant 1F-B | 1.0 % | 1250 kWh |
| Tnant 1F-C | 1.0 % | 1250 kWh |

### 3-2-3-2. Integrated Centralized Control Web


Energy Use Status
Ranking
Target Value
Peak Cut
Home
Monitor/Operation
Energy Management
Schedule
Notice
Settings
Maintenance
8588.2061kWh
Annual target 8159kWh
Last year
This year
01:39PM
2015
09/18(Fri)
Energy Use Status
Ranking
Target Value
Peak Cut
Home
Monitor/Operation
Energy Management
Schedule
Notice
Settings
Maintenance
1/1
01:46PM
2015
09/18(Fri)

Total target value

Comparison with previous year

95%

| Monthly target | |
|---|---|
| Jan. | 653 kWh |
| Feb. | 653 kWh |
| Mar. | 163 kWh |
| Apr. | 163 kWh |
| May | 163 kWh |
| Jun. | 490 kWh |
| Jul. | 1632 kWh |
| Aug. | 1632 kWh |
| Sep. | 1632 kWh |
| Oct. | 163 kWh |
| Nov. | 163 kWh |
| Dec. | 653 kWh |

| Target value for each block | Annual target |
|---|---|
| Administration Dept. | 14363kWh |
| Accounting Dept. | 4914kWh |
| Block40-1-3 | 7181kWh |
| Sales Dept. | 11339kWh |

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Note: Target values can only be displayed on the Integrated Centralized Control Web.

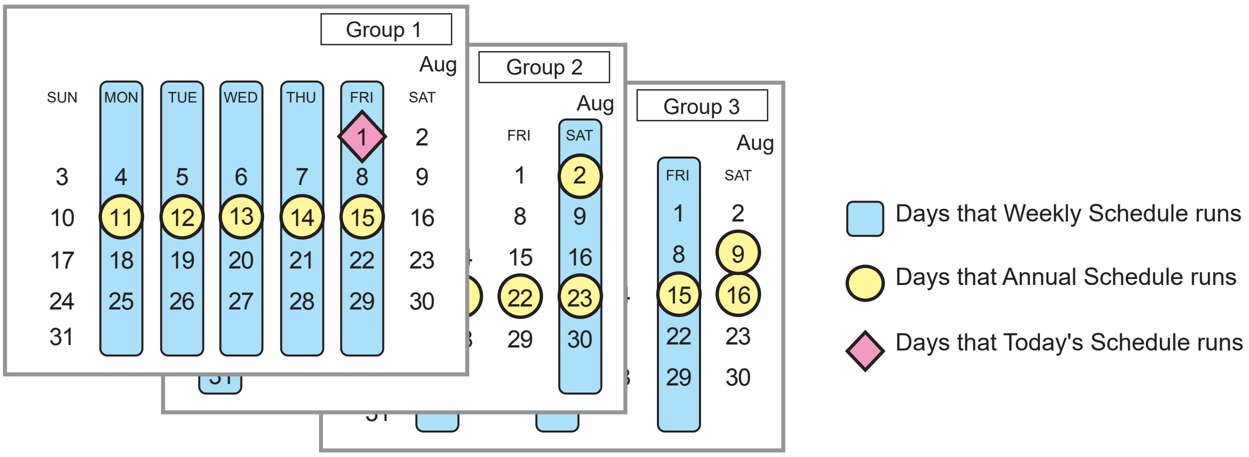
## 3-3. Schedule

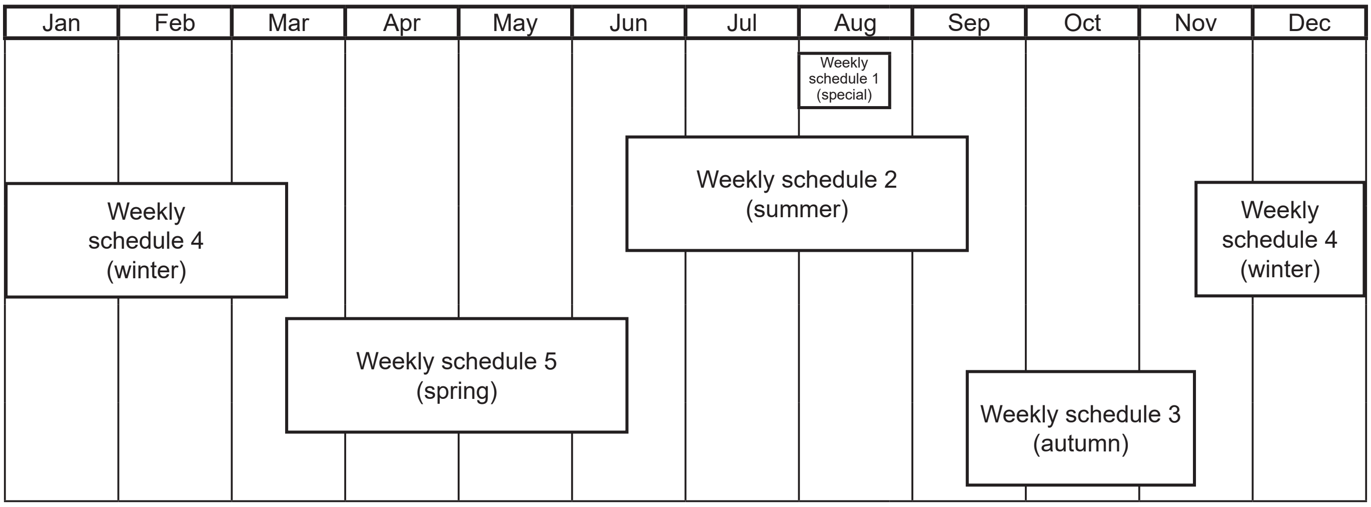
Weekly (5 types), annual (5 types), and current day scheduling are available. Schedules can be set for each group, each floor, each block, or all groups.

**Important**

- When one or more AE-50/EW-50 controllers are connected, the schedule settings must be made with the AE-50/EW-50 properly connected to ensure proper settings.
- Set the [Schedule] setting on the operation settings screen to [Available] to enable the scheduled events. (Refer to section 3-1-5 “Operation settings screen” for details.)

Schedule setting example


Group 1
Group 2
Group 3
Aug
SUN
MON
TUE
WED
THU
FRI
SAT
Days that Weekly Schedule runs
Days that Annual Schedule runs
Days that Today's Schedule runs

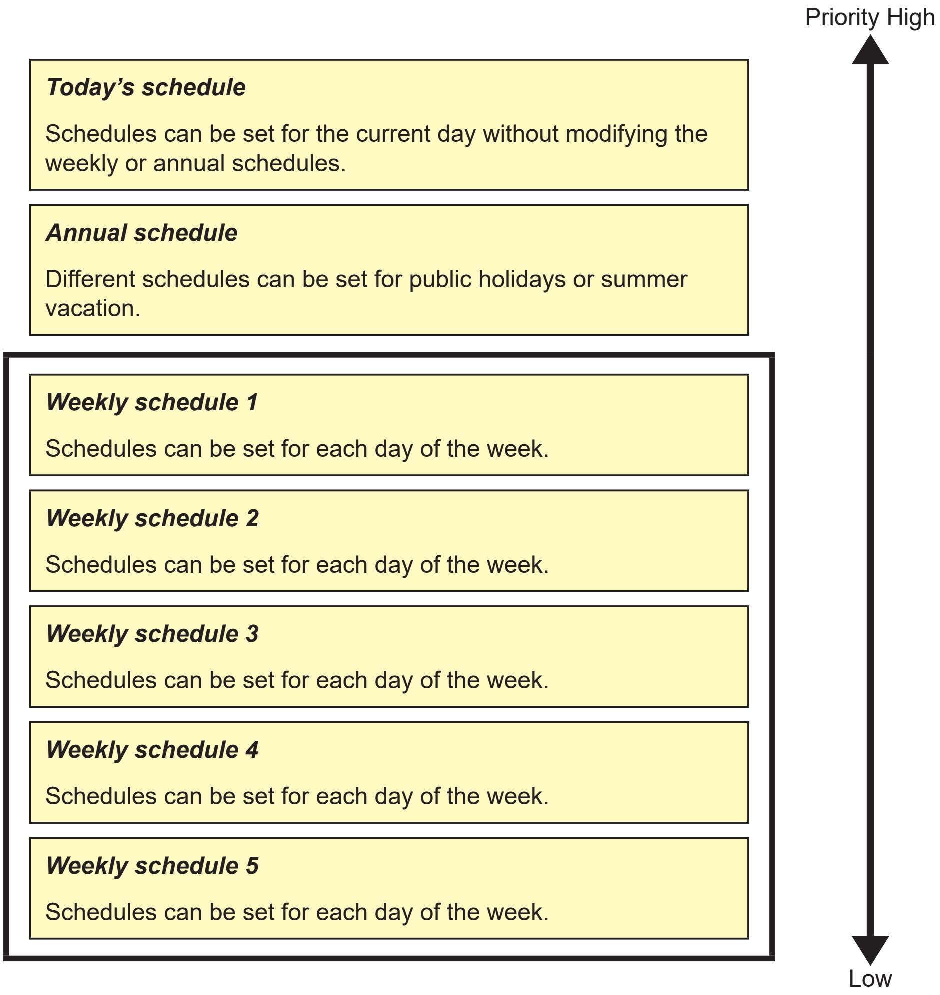

Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Weekly schedule 1 (special)
Weekly schedule 2 (summer)
Weekly schedule 4 (winter)
Weekly schedule 5 (spring)
Weekly schedule 3 (autumn)
Weekly schedule 4 (winter)

Note: The figure above shows the setting example of weekly schedules where the date period for each Weekly Schedule is set to the followings.

Weekly Schedule 1: Aug 1 - Aug 20
Weekly Schedule 2: Jun 16 - Sep 15
Weekly Schedule 3: Sep 16 - Nov 15
Weekly Schedule 4: Nov 16 - Mar 15
Weekly Schedule 5: Mar 16 - Jun 15

Note: When any of the Weekly Schedules 1, 2, 3, 4, and 5 overlap, the schedule with the lower number takes priority. For example, Weekly Schedule 1 takes precedence over Weekly Schedule 2.

Note: When the schedules overlap, schedule with the highest priority will run as shown below.



Priority High

***Today's schedule***

Schedules can be set for the current day without modifying the weekly or annual schedules.

***Annual schedule***

Different schedules can be set for public holidays or summer vacation.

***Weekly schedule 1***

Schedules can be set for each day of the week.

***Weekly schedule 2***

Schedules can be set for each day of the week.

***Weekly schedule 3***

Schedules can be set for each day of the week.

***Weekly schedule 4***

Schedules can be set for each day of the week.

***Weekly schedule 5***

Schedules can be set for each day of the week.

Low

## 3-3-1. Weekly Schedule

Schedules can be set for each day of the week.

Note: When today’s schedule and weekly schedule are set for the same day, today’s schedule settings take precedence over weekly schedule settings.

Note: When the “Schedule:  Season setting” setting is set to [Available] (default setting), weekly schedule date range settings can be configured. Be sure to set the “Schedule:  Season setting” setting ([Available] or [Not Available]) with the AE-200. (Do not set with the expansion controller (AE-50/EW-50).) For the “Schedule:  Season setting” setting, refer to the Instruction Book (Initial Settings).

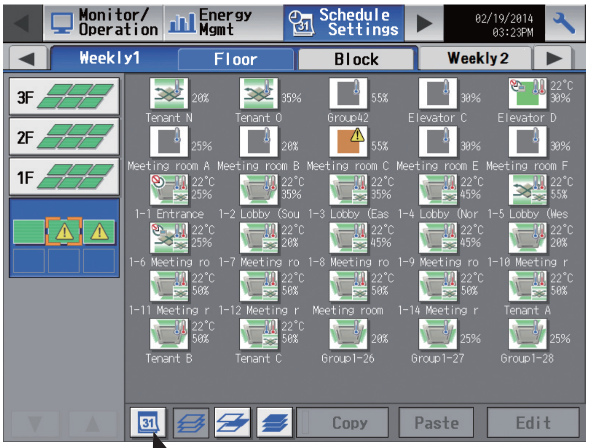
### 3-3-1-1. LCD

Touch [Schedule Settings] in the menu bar, and then touch [Weekly1], [Weekly2], [Weekly3], [Weekly4], or [Weekly5]. On the Weekly Schedule settings screen, schedules can be set for each day of the week.

#### [1]  Setting the date periods

(1) Touch the “Season Settings” button on the [Floor] or [Block] display.

Note: For the Integrated Centralized Control Web, the setting is made on the “Date range setting” screen.


Monitor/ Operation
Energy Mgmt
Schedule Settings
02/19/2014 03:23PM
Weekly1
Floor
Block
Weekly2
3F
2F
1F
Copy
Paste
Edit

Season Settings

(2) Enter the date periods in which each weekly schedule will be effective.
Touch the “Enabled/Disabled” buttons on the left side to enable or disable each weekly schedule.

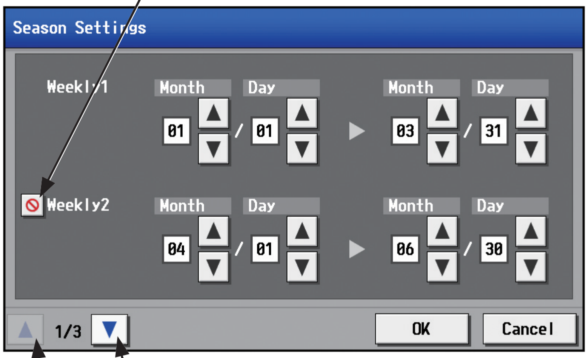
☐ : Enabled
⊘ : Disabled (default)

Note: When any of the Weekly Schedules 1, 2, 3, 4, and 5 overlap, the schedule with the lower number takes priority. For example, Weekly Schedule 1 takes precedence over Weekly Schedule 2.

Note: The date period over the next year (such as 11/01 - 03/31) can be set.

Note: The settings made on this screen on the AE-200 will be reflected to the AE-50/EW-50.

Enabled/Disabled


Season Settings

Weekly1 Month 01 / Day 01 ▶ Month 03 / Day 31

Weekly2 Month 04 / Day 01 ▶ Month 06 / Day 30

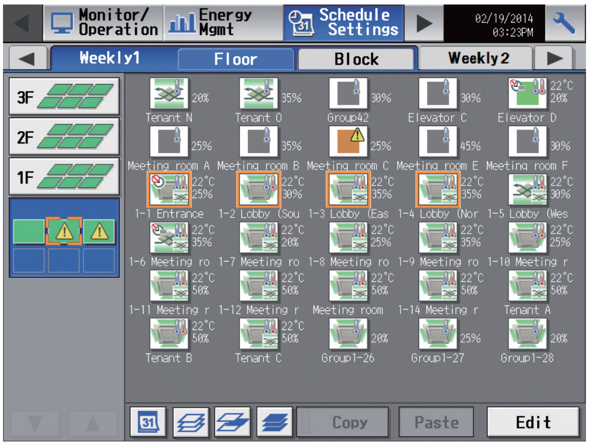
1/3
OK
Cancel

Next page

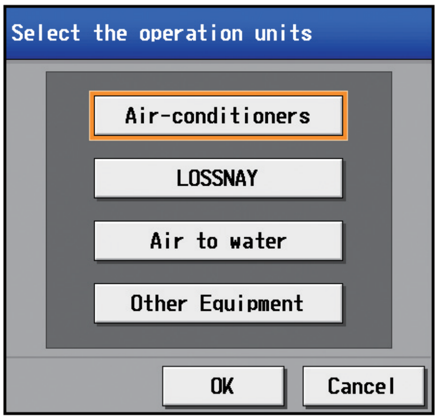
Previous page

#### [2]  Selecting a target to which the schedule will be applied

(1) On the [Floor] or [Block] display, select a group(s), block(s), or floor(s) to which the schedule will be applied. (Refer to 3-1-4 “Selecting the icons of the groups to be operated” for details.)

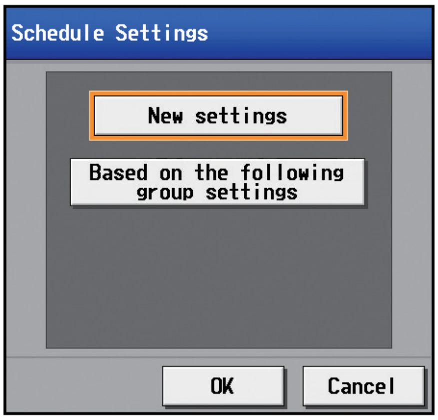

Monitor/ Operation
Energy Mgmt
Schedule Settings
02/19/2014 03:23PM
Weekly1
Floor
Block
Weekly2
3F
2F
1F
Copy
Paste
Edit

(2) If different equipment types exist together, a screen to select an equipment type will appear.
Touch one of the equipment types to set the schedule.


Select the operation units
Air-conditioners
LOSSNAY
Air to water
Other Equipment
OK
Cancel

(3) A [Schedule Settings] screen will appear.
To create a schedule for the given block from scratch, touch [New settings] and touch [OK].
To create a schedule based on the existing setting of another group, touch [Based on the following group settings], select the name of the group whose schedule is to be based on, and touch [OK]. The contents of the schedule that have been set for the selected group will appear in the "Contents of Schedule" section on the screen that will appear next.

Note: [Based on the following group settings] cannot be selected when the operation group contains both free-plan units and outlet air temperature control units.

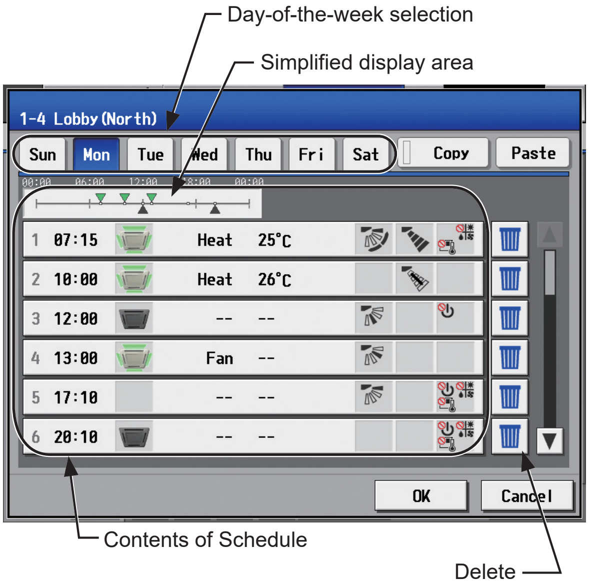

Schedule Settings
New settings
Based on the following group settings
OK
Cancel

## [3] Selecting a day of the week

(1) Touch the day to set the schedule.
The icons of the events that have been set for the selected group will appear in the "Contents of Schedule" section.

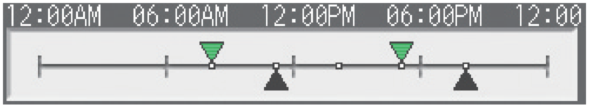
Icons in the simplified display area
▼ : ON
▲ : OFF
-▫- : Other scheduled events

Note: To delete each scheduled events, touch the "Delete" button in the row of the schedule to be deleted.


Day-of-the-week selection
Simplified display area
1-4 Lobby (North)
Sun
Mon
Tue
Wed
Thu
Fri
Sat
Copy
Paste
00:00
06:00
12:00
18:00
00:00
OK
Cancel
Contents of Schedule
Delete

| | | | |
|---|---|---|---|
| 1 | 07:15 | Heat | 25°C |
| 2 | 10:00 | Heat | 26°C |
| 3 | 12:00 | -- | -- |
| 4 | 13:00 | Fan | -- |
| 5 | 17:10 | -- | -- |
| 6 | 20:10 | -- | -- |

Simplified display area


12:00AM
06:00AM
12:00PM
06:00PM
12:00

## [4] Setting the contents of the schedule

(1) Touch the row of the schedule to be set in the “Contents of Schedule” section to display the schedule settings screen.

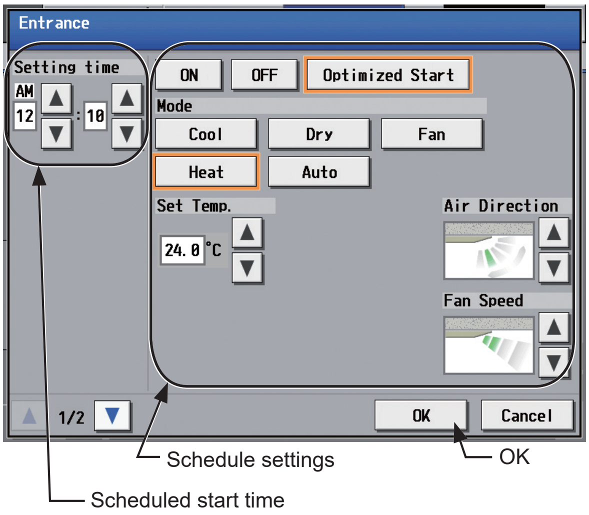
Set the start time to apply to the schedule, set the operations to be scheduled, and then touch [OK].

Note: If [Optimized Start] is selected, the operation mode and the set temperature need to be set as well.

To copy the schedule settings between groups, see [7] below.

To copy the schedule settings between days of the week, see [5] below.

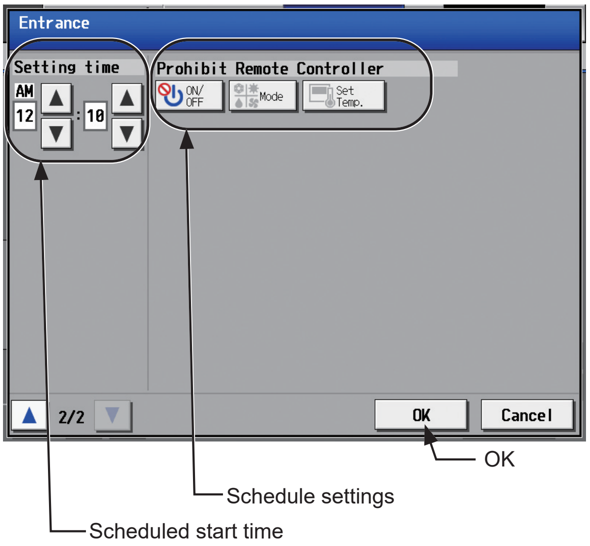
1st page (Air conditioning unit group)


Entrance
ON
OFF
Optimized Start
Mode
Cool
Dry
Fan
Heat
Auto
Air Direction
Fan Speed
1/2
OK
Cancel
Schedule settings
OK
Scheduled start time

Setting time AM 12 : 10

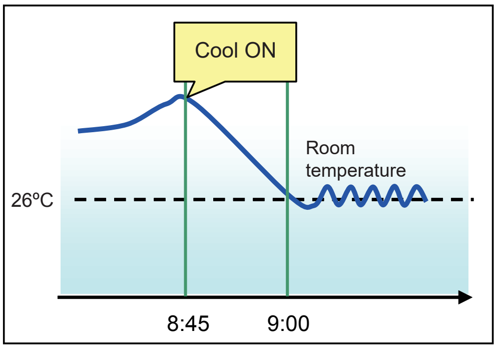
Set Temp. 24.0 °C

2nd page (Air conditioning unit group)

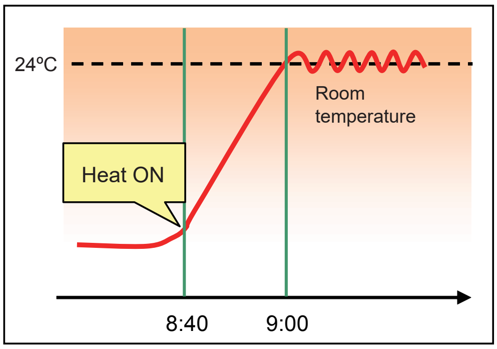

Entrance
Prohibit Remote Controller
ON/OFF
Mode
Set Temp.
2/2
OK
Cancel
OK
Schedule settings
Scheduled start time

Setting time AM 12 : 10

Note: About Optimized Start function



Operation mode: Cool
Start time: 9:00
Set temperature: 26°C



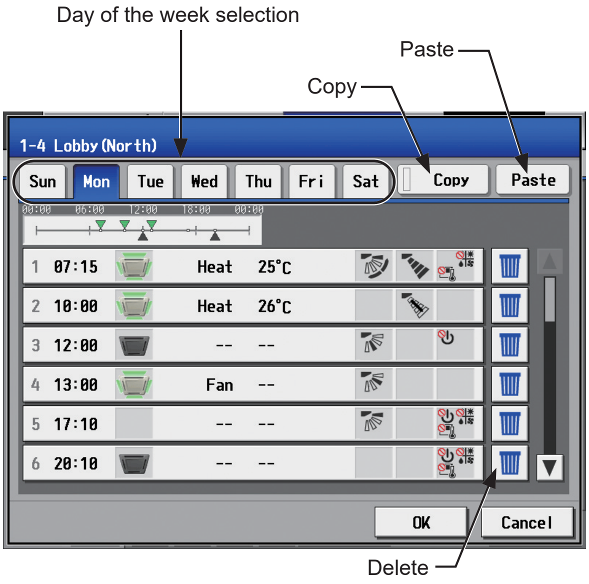
Operation mode: Heat
Start time: 9:00
Set temperature: 24°C

- If [Optimized Start] is selected, the operation mode and the set temperature need to be set as well. The Optimized Start function will start the units 5 to 60 minutes prior to the scheduled start time to reach the set temperature at the scheduled start time, based on the operation data in the past. (When the units start the first time after a power reset, the units will start operation 30 minutes before the scheduled start time.)
- [Optimized Start] can be selected for air conditioning units and Air To Water units, but cannot be selected for the outlet air temperature control units.
- If the room temperature is measured by the return air temperature sensor on the air conditioning unit, the measured value may not be an accurate representation of the temperature in the room. The temperature shown may be higher than the actual temperature especially when the unit is stopped during the Heat mode. When this is the case, use an external temperature sensor (PAC-SE40TSA) or remote controller sensor to measure the room temperature.
- If [Optimized Start] is selected and the [Prohibit Remote Controller] setting is set to Prohibit or Permit at the same time, the operations from the remote controllers will be prohibited or permitted at the scheduled start time.

## [5] Copying a schedule to another day of the week

(1) To copy the schedule settings of a day to the schedule settings for another day of the week, select the day whose schedule settings are to be copied, touch [Copy], select the day to which the copied schedule settings are to be pasted, and touch [Paste].

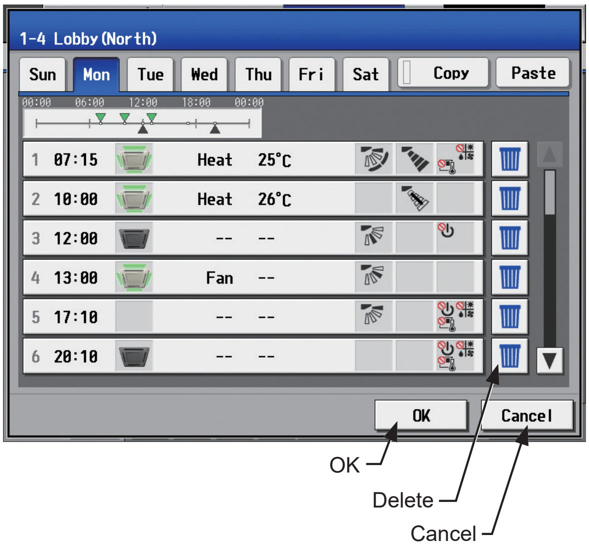
Note: To delete each scheduled events, touch the “Delete” button in the row of the schedule to be deleted.


Day of the week selection
Paste
Copy
1-4 Lobby(North)
Sun
Mon
Tue
Wed
Thu
Fri
Sat
Copy
Paste
1 07:15 Heat 25°C
2 10:00 Heat 26°C
3 12:00 -- --
4 13:00 Fan --
5 17:10 -- --
6 20:10 -- --
OK
Cancel
Delete

## [6] Saving the schedules

(1) To undo the changes made, touch [Cancel] before saving the schedules.
After completing the settings, touch [OK] to save the schedules.

Note: To delete each scheduled events, touch the “Delete” button in the row of the schedule to be deleted.

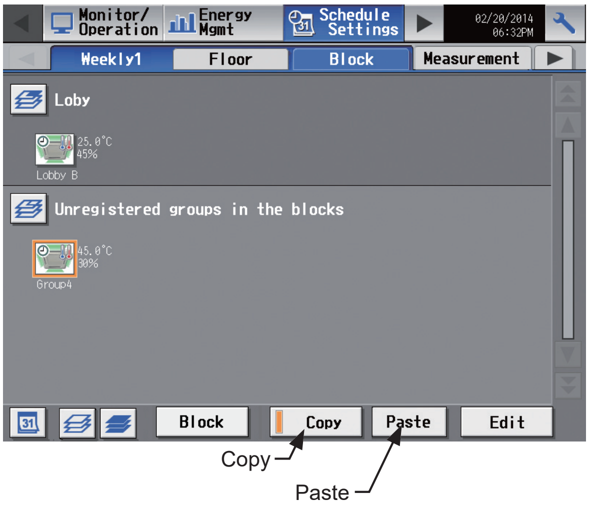

1-4 Lobby(North)
Sun
Mon
Tue
Wed
Thu
Fri
Sat
Copy
Paste
1 07:15 Heat 25°C
2 10:00 Heat 26°C
3 12:00 -- --
4 13:00 Fan --
5 17:10 -- --
6 20:10 -- --
OK
Cancel
OK
Delete
Cancel

## [7] Copying a schedule to another group

(1) To copy the schedule settings of a group to the schedule settings for another group, select the group whose schedule settings are to be copied, touch [Copy], select the group to which the copied schedule settings are to be pasted, and touch [Paste].

Note: Schedules of a group cannot be copied to a different type of group. For example, the schedules of an air conditioning unit group cannot be copied to the schedules for a LOSSNAY unit group.

Note: The operation mode and set temperature may not be copied because the available operation modes or operable set temperature range differ among the units. When the group whose operation mode is set to “Optimized Start” is copied to the outlet air temperature control unit, the operation ON/OFF setting will be “ON.”

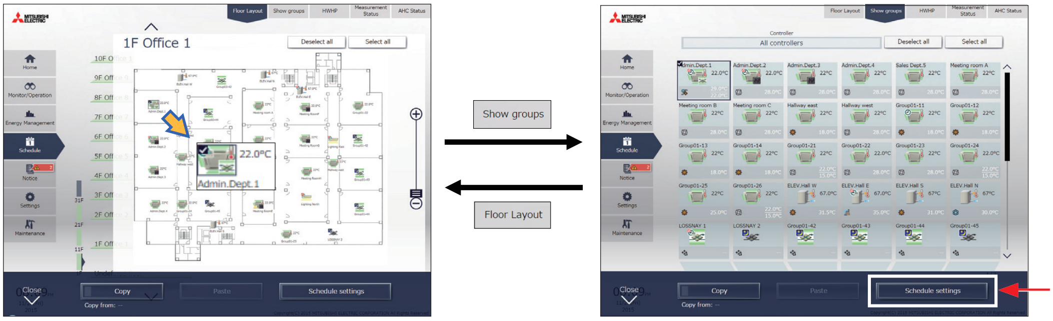

Monitor/ Operation
Energy Mgmt
Schedule Settings
02/20/2014 06:32PM
Weekly1
Floor
Block
Measurement
Loby
25.0°C 45%
Lobby B
Unregistered groups in the blocks
45.0°C 30%
Group4
Block
Copy
Paste
Edit
Copy
Paste

## 3-3-1-2. Integrated Centralized Control Web

### [1] Selecting a target to which the schedule will be applied

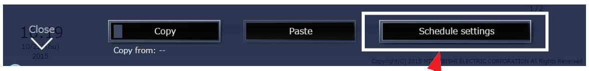
In the Floor Layout screen or group list, select a group icon(s) to which the schedule will be applied, and click [Schedule settings]. A screen to set a schedule for the selected group(s) will appear.
Refer to section 3-1-4 “Selecting the icons of the groups to be operated” for how to select group icons.

**Schedule (Floor Layout)** **Schedule (Group list)**


1F Office 1
Deselect all
Select all
22.0°C
Admin.Dept.1
Show groups
Floor Layout
Copy
Paste
Schedule settings
Close

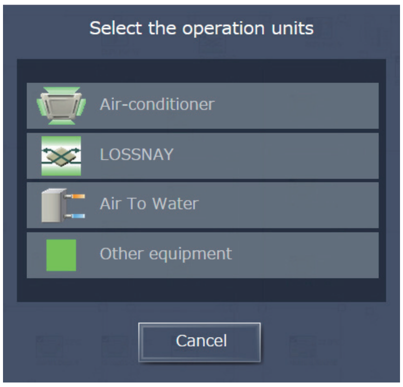
**Schedule settings**

(1) Select a group icon(s) to which the schedule will be applied, and click [Schedule settings] in the taskbar.


Close
Copy
Paste
Schedule settings
Copy from: --

**Schedule settings**

(2) If different equipment types exist together, a screen to select an equipment type will appear.
Select one of the equipment types to set the schedule.

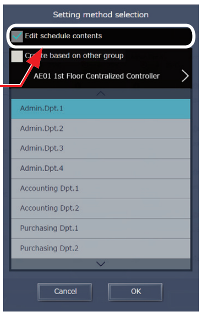

Select the operation units
Air-conditioner
LOSSNAY
Air To Water
Other equipment
Cancel

(3) Select a setting method.

(A) To create a new schedule or to edit an existing schedule, click [Edit schedule contents] and click [OK].

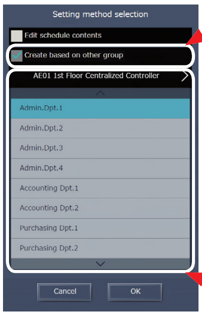
(B) To create a schedule based on the existing setting of other group, select [Create based on other group], select the group whose schedule is to be based on, and click [OK]. The contents of the schedule that have been set for the selected group will appear on the screen that will appear next.

(A) Creating newly or editing


Setting method selection
Edit schedule contents
Create based on other group
AE01 1st Floor Centralized Controller
Admin.Dpt.1
Admin.Dpt.2
Admin.Dpt.3
Admin.Dpt.4
Accounting Dpt.1
Accounting Dpt.2
Purchasing Dpt.1
Purchasing Dpt.2
Cancel
OK

**Edit schedule contents**

(B) Creating based on the setting of other group


Setting method selection
Edit schedule contents
Create based on other group
AE01 1st Floor Centralized Controller
Admin.Dpt.1
Admin.Dpt.2
Admin.Dpt.3
Admin.Dpt.4
Accounting Dpt.1
Accounting Dpt.2
Purchasing Dpt.1
Purchasing Dpt.2
Cancel
OK

**Create based on other group**

Select the group whose schedule is to be based on.

Note: If the group whose schedule is to be based on has no schedule settings, no contents of the schedule will appear on the screen that will appear next.

## [2] Setting the date range for each schedule

Five types of weekly schedules can be set. (One year is divided into the maximum of five periods.)

Note: This setting is “Season Settings” on the LCD.

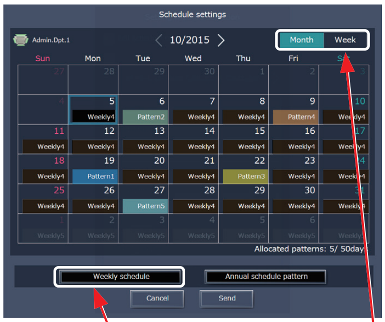
Note: The weekly schedule date ranges are set for each centralized controller (AE-200/AE-50/EW-50). When the weekly schedule date ranges are set with Integrated Centralized Control Web, the same settings will be sent to all the centralized controllers that are control targets of Integrated Centralized Control Web.

(1) In the Schedule settings screen (Month or Week display), click [Weekly schedule].

(2) In the Weekly schedule settings screen, click [Date range].

(3) In the date range settings screen, enter the date ranges in which each weekly schedule (Weekly 1 to 5) will be effective.

**Schedule settings (Month)**

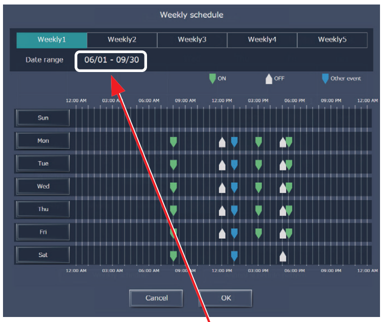

Schedule settings
Admin.Dpt.1
10/2015
Month
Week
Sun
Mon
Tue
Wed
Thu
Fri
Sat
Allocated patterns: 5/ 50days
Weekly schedule
Annual schedule pattern
Cancel
Send

**Weekly schedule**

**Display switching**
Switches between Month and Week.

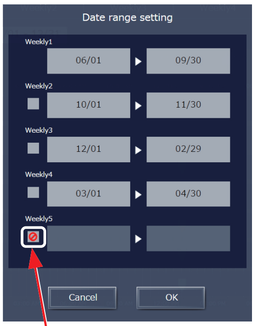
Week
Month

**Weekly schedule settings**


Weekly schedule
Weekly1
Weekly2
Weekly3
Weekly4
Weekly5
Date range
06/01 - 09/30
ON
OFF
Other event
Sun
Mon
Tue
Wed
Thu
Fri
Sat
Cancel
OK

**Date range**

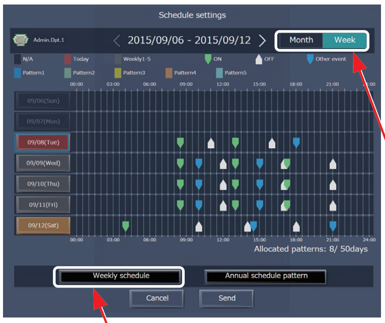
**Date range setting**


Date range setting
Cancel
OK

Weekly1 06/01 ▶ 09/30
Weekly2 ☐ 10/01 ▶ 11/30
Weekly3 ☐ 12/01 ▶ 02/29
Weekly4 ☐ 03/01 ▶ 04/30
Weekly5 ☒ ▶

**Date range setting disabled**

**Schedule settings (Week)**


Schedule settings
Admin.Dpt.1
2015/09/06 - 2015/09/12
Month
Week
N/A
Today
Weekly1-5
ON
OFF
Other event
Pattern1
Pattern2
Pattern3
Pattern4
Pattern5
09/06(Sun)
09/07(Mon)
09/08(Tue)
09/09(Wed)
09/10(Thu)
09/11(Fri)
09/12(Sat)
Allocated patterns: 8/ 50days
Weekly schedule
Annual schedule pattern
Cancel
Send

**Display switching**
Switches between Month and Week.

**Weekly schedule**

Note: On the date range setting screen, check the checkbox ( ⊘ ) to disable the date range setting of the checked weekly schedule.

Note: If the “Schedule: Season setting” setting is set to “Not Available” in the initial settings, the date range settings cannot be used. For initial settings, refer to the Instruction Book (Initial Settings).

## [3] Selecting a day of the week

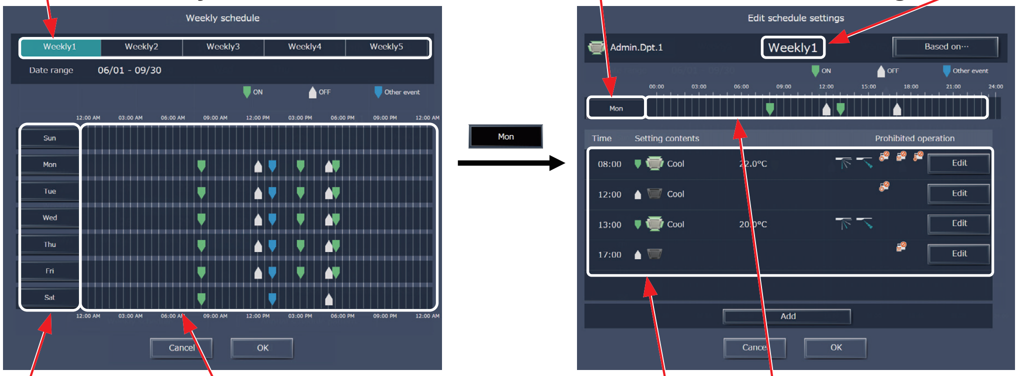
Schedules can be set for each day of the week for each weekly schedule (Weekly 1 to 5).

(1) In the Schedule settings screen, select one of the weekly schedule (Weekly 1 to 5).

(2) Click the day to set the schedule.
A screen to edit the schedules of the selected weekly schedule and the selected day of the week will appear.

**Weekly schedule**

**Edit schedule settings**


Weekly schedule
Weekly1
Weekly2
Weekly3
Weekly4
Weekly5
Date range
06/01 - 09/30
ON
OFF
Other event
Sun
Mon
Tue
Wed
Thu
Fri
Sat
Cancel
OK
Mon
Edit schedule settings
Admin.Dpt.1
Weekly1
Based on···
Time
Setting contents
Prohibited operation
08:00
Cool
22.0°C
12:00
13:00
20.0°C
17:00
Edit
Add

**Weekly 1–5**
Select the weekly schedule to set the schedule.

**Day of the week**
The selected day of the week will appear.

**Weekly 1–5**
The selected weekly schedule will appear.

**Day-of-the-week selection**
Select the day to set the schedule.

**Simplified display**
The simple schedule contents for each day of the week will appear.

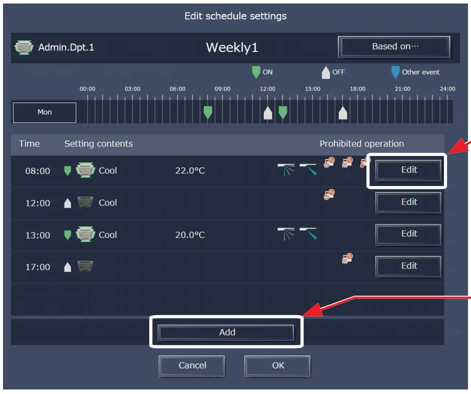
**Simplified display**
The simple schedule contents will appear.

**Schedule contents**

## [4] Creating or changing the schedule contents

(1) In the Edit schedule settings screen, click [Add] to create a new schedule, or click [Edit] to change an existing schedule. A schedule contents settings screen will appear.

**Edit schedule settings**

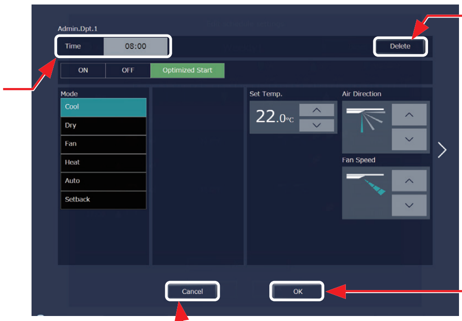

Edit schedule settings
Admin.Dpt.1
Weekly1
Based on···
ON
OFF
Other event
Mon
Time
Setting contents
Prohibited operation
08:00
Cool
22.0°C
Edit
12:00
Cool
13:00
Cool
20.0°C
17:00
Add
Cancel
OK

**Edit**
Click to change an existing schedule contents.

**Add**
Click to create a new schedule.

(2) In the schedule contents settings screen, set the start time to apply to the schedule, set the operations to be scheduled, and then click [OK].
If [Optimized Start] is selected, the operation mode and the set temperature need to be set as well.

**Schedule contents settings (1/2)**


Admin.Dpt.1
Time
08:00
Delete
ON
OFF
Optimized Start
Mode
Cool
Dry
Fan
Heat
Auto
Setback
Set Temp.
22.0°C
Air Direction
Fan Speed
Cancel
OK

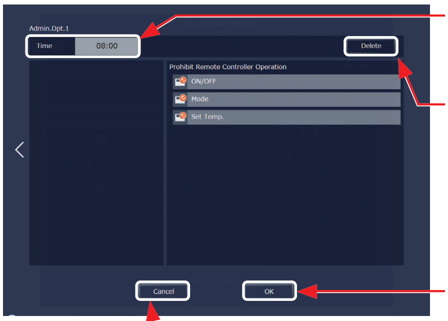
**Scheduled start time**

**Delete**
Click to delete the settings.

**OK**
Click to confirm the settings.

**Cancel**
Click to undo the changes made and close the settings screen.

**Schedule contents settings (2/2)**


Admin.Dpt.1
Time
08:00
Delete
Prohibit Remote Controller Operation
ON/OFF
Mode
Set Temp.
Cancel
OK

**Scheduled start time**

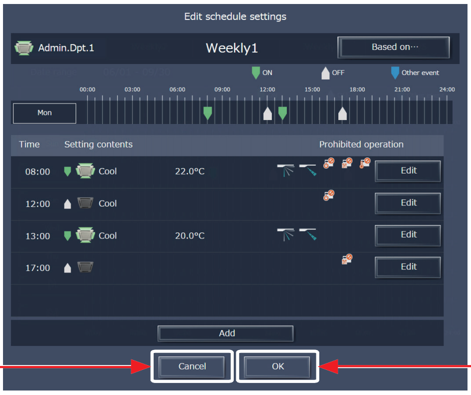
**Delete**
Click to delete the settings.

**OK**
Click to confirm the settings.

**Cancel**
Click to cancel the settings and close the settings screen.

(3) After all schedule settings are completed, click [OK] on the Edit schedule settings screen.

**Schedule settings**


Edit schedule settings
Admin.Dpt.1
Weekly1
Based on···
ON
OFF
Other event
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
24:00
Mon
Add
Cancel
OK

| Time | Setting contents | | Prohibited operation |
|---|---|---|---|
| 08:00 | Cool | 22.0°C | Edit |
| 12:00 | Cool | | Edit |
| 13:00 | Cool | 20.0°C | Edit |
| 17:00 | | | Edit |

**Cancel**
Click to undo the changes made and close the Edit schedule settings screen.

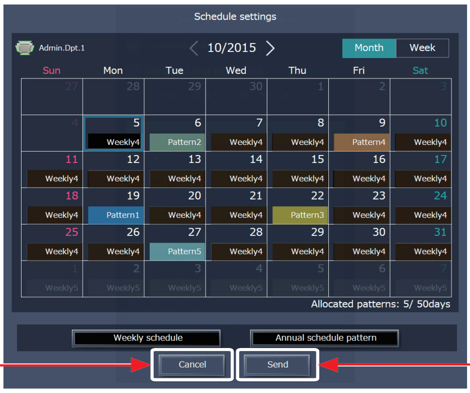
**OK**
Click to confirm the settings.

Note: When setting a schedule for a block or all groups collectively, all operation modes are available for selection, but the available operation modes depend on the unit model. The units will not operate in the selected mode not supported by the units.
Note: No need to set schedules for all operations. Set one or more necessary operations.
Note: The operation items that will appear on the screen vary, depending on the equipment type.
Note: For details about settings of each operation, refer to section 3-1-5 “Operation settings screen”.

## [5] Saving the schedules

(1) After the schedule settings are completed, click [Send] on the Schedule settings screen to send and save the settings to the centralized controllers.
To undo the changes made, click [Cancel].

**Schedule settings**


Schedule settings
Admin.Dpt.1
10/2015
Month
Week
Weekly schedule
Annual schedule pattern
Cancel
Send

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| 27 | 28 | 29 | 30 | 1 | 2 | 3 |
| 4 | 5<br>Weekly4 | 6<br>Pattern2 | 7<br>Weekly4 | 8<br>Weekly4 | 9<br>Pattern4 | 10<br>Weekly4 |
| 11<br>Weekly4 | 12<br>Weekly4 | 13<br>Weekly4 | 14<br>Weekly4 | 15<br>Weekly4 | 16<br>Weekly4 | 17<br>Weekly4 |
| 18<br>Weekly4 | 19<br>Pattern1 | 20<br>Weekly4 | 21<br>Weekly4 | 22<br>Pattern3 | 23<br>Weekly4 | 24<br>Weekly4 |
| 25<br>Weekly4 | 26<br>Weekly4 | 27<br>Pattern5 | 28<br>Weekly4 | 29<br>Weekly4 | 30<br>Weekly4 | 31<br>Weekly4 |
| 1<br>Weekly5 | 2<br>Weekly5 | 3<br>Weekly5 | 4<br>Weekly5 | 5<br>Weekly5 | 6<br>Weekly5 | 7<br>Weekly5 |

Allocated patterns: 5/ 50days

**Cancel**
Click to undo the changes made and close the Schedule settings screen.

**Send**
Click to save the settings.

Note: Clicking [Send] will send the schedule settings to the centralized controllers (AE-200/AE-50/EW-50). It may take a few minutes to complete the transmission, depending on the volume of the schedule contents.

## [6] Copying existing settings of other group

The schedule settings can be copied among groups.

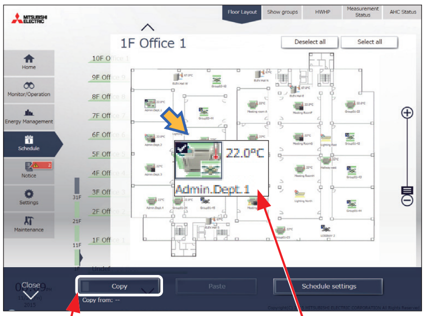
(1) In the Floor Layout screen or group list, select the group whose schedule settings are to be copied, and then click [Copy] in the taskbar.

(2) The schedule contents of the selected group will be copied, and the group icon will appear with an orange frame.

(3) Select the group to which the copied schedule settings are to be pasted, and click [Paste].
The name of the group whose schedule settings have been copied appears under the [Copy] button.

- Floor Layout screen

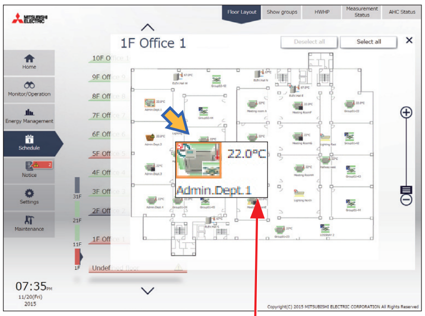
**Procedure (1)**


1F Office 1
Deselect all
Select all
22.0°C
Admin.Dept.1
Close
Copy
Copy from: --
Paste
Schedule settings

**Copy**
Click to copy the schedule contents of the selected group.

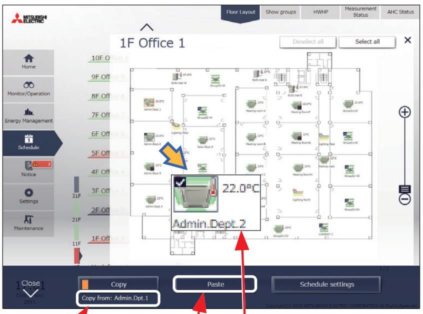
**Group icon**
Select the group whose schedule settings are to be copied.

**Procedure (2)**


1F Office 1
Deselect all
Select all
22.0°C
Admin.Dept.1
07:35

**Copied**
The group icon will appear with an orange frame.

**Procedure (3)**

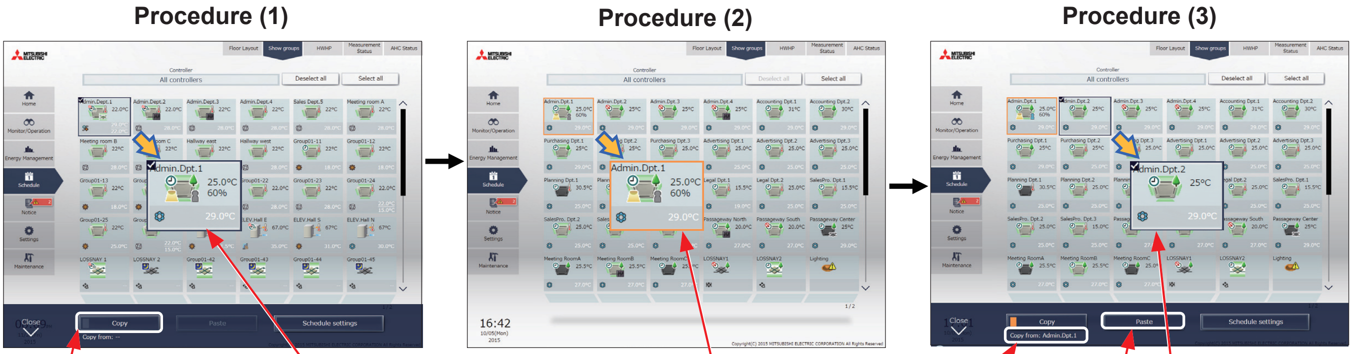

1F Office 1
Deselect all
Select all
22.0°C
Admin.Dept.2
Close
Copy
Copy from: Admin.Dpt.1
Paste
Schedule settings

**Name of the group whose schedule settings are copied**

**Paste**
Click to paste the copied settings.

**Group icon**
Select the group to which the copied schedule settings are to be pasted.

- Group list


Procedure (1)
Procedure (2)
Procedure (3)
Admin.Dpt.1
Admin.Dpt.2
Copy
Paste
Schedule settings

**Copy**
Click to copy the schedule contents of the selected group.

**Group icon**
Select the group whose schedule settings are to be copied.

**Copied**
The group icon will appear with an orange frame.

**Name of the group whose schedule settings are copied**

**Paste**
Click to paste the copied settings.

**Group icon**
Select the group to which the copied schedule settings are to be pasted.

Note: Schedules of a group may not be precisely copied to a different type of group. When the group whose operation mode is set to "Optimized Start" is copied to the outlet air temperature control unit, the operation ON/OFF setting will be "ON."

## [7] Creating a schedule based on existing settings of other day of the week

When setting schedules for each day of the week for weekly schedule, the schedule settings can be created based on existing settings of other day of the week.

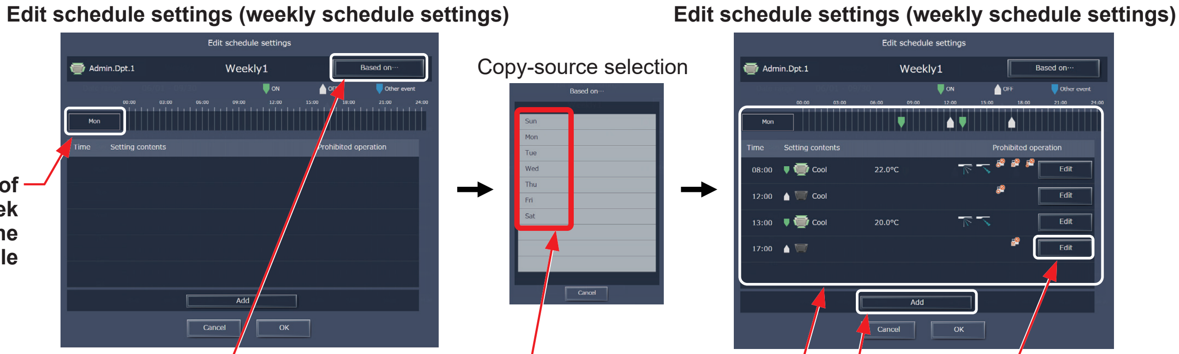
(1) In the Edit schedule settings screen, click [Based on...].

(2) In the [Based on...] screen, select the pattern or the day of the week whose schedule is to be based on.

(3) The contents of the schedule that have been set for the selected pattern or the day of the week will appear in the Edit schedule settings screen.

(4) Add or change the schedule contents, if necessary.

- Weekly schedule


Edit schedule settings (weekly schedule settings)
Edit schedule settings (weekly schedule settings)
Copy-source selection
Admin.Dpt.1
Weekly1
Based on···
Mon
Sun
Tue
Wed
Thu
Fri
Sat
Add
Cancel
OK
Edit

**Day of the week to set the schedule**

**Based on existing settings of other day of the week**

**Copy-source**
Select the day of the week whose schedule is to be based on.

**Schedule contents**
The contents of the schedule that have been set for the selected day of the week will appear.

**Add**
Click to add the schedule contents.

**Edit**
Click to edit the schedule contents.

## 3-3-2. Annual Schedule

On the Annual Schedule settings screen, schedules can be set for public holidays or summer vacation.

Up to five operation patterns (Pattern A through E) can be set for the 24 months including the current month, and total of 50 days can be allocated to the patterns.

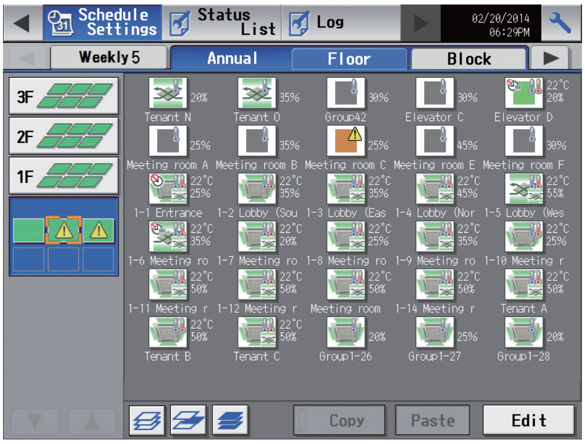
Note: When today's schedule and annual schedule are set for the same day, today's schedule settings take precedence over annual schedule settings.

### 3-3-2-1. LCD

Touch [Schedule Settings] in the menu bar, and then touch [Annual].

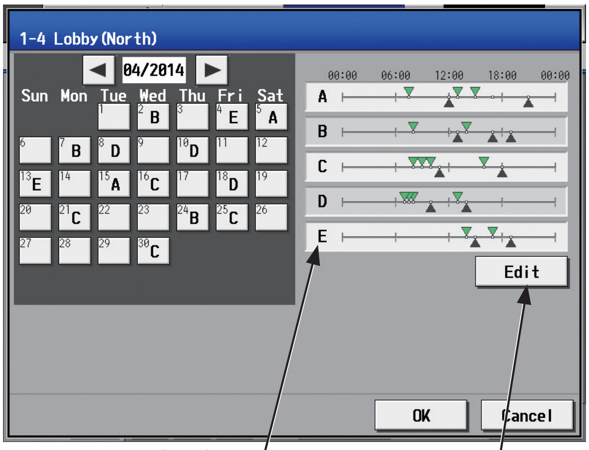
### [1] Selecting a target to which the schedule will be applied

(1) On the [Floor] or [Block] display, select a group(s), block(s), or floor(s) to which the schedule will be applied. (Refer to 3-1-4 "Selecting the icons of the groups to be operated" for details.)


Schedule Settings
Status List
Log
02/20/2014 06:29PM
Weekly 5
Annual
Floor
Block
3F
2F
1F
Tenant N
Tenant O
Group42
Elevator C
Elevator D
Meeting room A
Meeting room B
Meeting room C
Meeting room E
Meeting room F
1-1 Entrance
1-2 Lobby (Sou
1-3 Lobby (Eas
1-4 Lobby (Nor
1-5 Lobby (Wes
1-6 Meeting ro
1-7 Meeting ro
1-8 Meeting ro
1-9 Meeting ro
1-10 Meeting r
1-11 Meeting r
1-12 Meeting r
Meeting room
1-14 Meeting r
Tenant A
Tenant B
Tenant C
Group1-26
Group1-27
Group1-28
Copy
Paste
Edit

### [2] Selecting a schedule pattern

(1) Touch a pattern or [Edit] to display the pattern settings screen.


1-4 Lobby (North)
04/2014
Sun Mon Tue Wed Thu Fri Sat
1
2 B
3
4 E
5 A
6
7 B
8 D
9
10 D
11
12
13 E
14
15 A
16 C
17
18 D
19
20
21 C
22
23
24 B
25 C
26
27
28
29
30 C
00:00 06:00 12:00 18:00 00:00
A
B
C
D
E
Edit
OK
Cancel

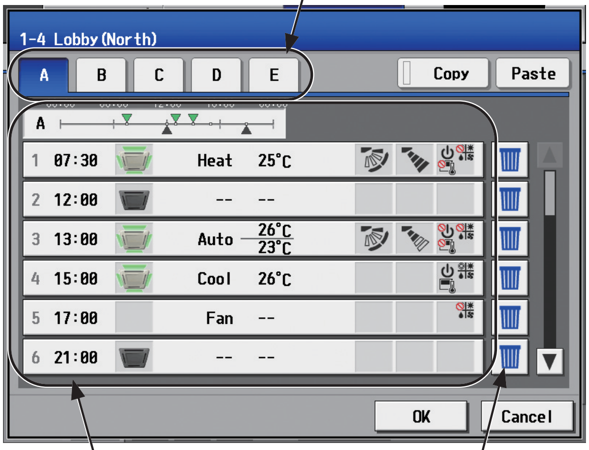
Pattern (A–E)

Edit

(2) Touch a pattern tab to set the schedule.

Note: To delete each scheduled events, touch the "Delete" button in the row of the schedule to be deleted.

Pattern


1-4 Lobby (North)
A
B
C
D
E
Copy
Paste
A
OK
Cancel

1 07:30 Heat 25°C

2 12:00 -- --

3 13:00 Auto 26°C 23°C

4 15:00 Cool 26°C

5 17:00 Fan --

6 21:00 -- --

Contents of Schedule

Delete

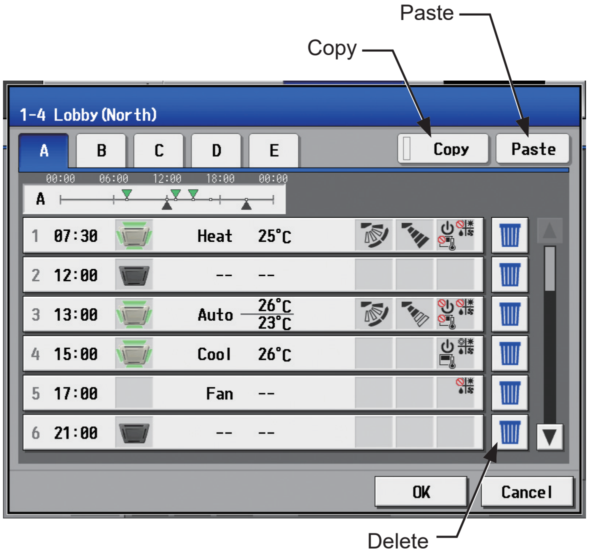
## [3] Setting the contents of the schedule

(1) Touch the row of the schedule to be set in the “Contents of Schedule” section to display the schedule settings screen.
Set the start time to apply to the schedule, set the operations to be scheduled, and then touch [OK]. (Refer to section 3-3-1-1 [4] “Setting the contents of the schedule” for details.)

## [4] Copying a schedule to another pattern

(1) To copy the schedule settings of a pattern to the schedule settings for another pattern, select the pattern whose schedule settings are to be copied, touch [Copy], select the pattern to which the copied schedule settings are to be pasted, and touch [Paste].

Note: To delete each scheduled events, touch the “Delete” button in the row of the schedule to be deleted.

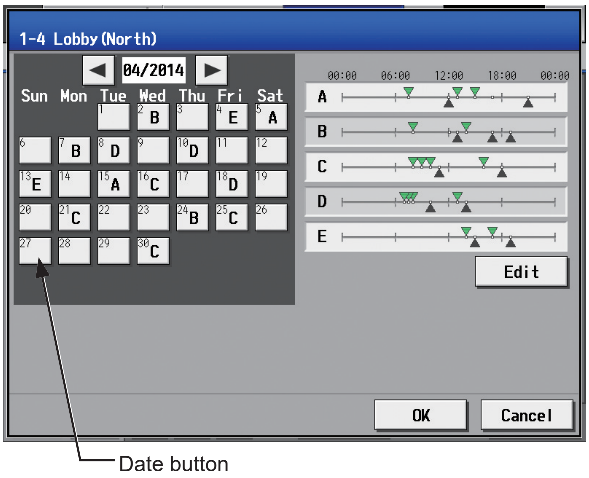

Paste
Copy
1-4 Lobby(North)
A
B
C
D
E
Copy
Paste
00:00
06:00
12:00
18:00
00:00
A
OK
Cancel
Delete

| | | | | |
|---|---|---|---|---|
| 1 | 07:30 | Heat | 25°C | |
| 2 | 12:00 | -- | -- | |
| 3 | 13:00 | Auto | 26°C<br>23°C | |
| 4 | 15:00 | Cool | 26°C | |
| 5 | 17:00 | Fan | -- | |
| 6 | 21:00 | -- | -- | |

## [5] Assigning schedule patterns to special dates

(1) Each schedule pattern can be assigned to the specified dates.
The date buttons will appear with the alphabet of the pattern that has been assigned.
Touching the date buttons toggles through the following options: A, B, C, D, E, and blank.

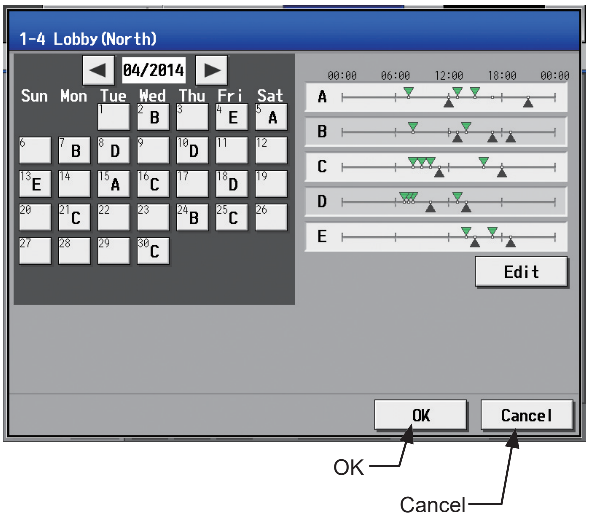
To cancel the pattern assignment, select blank.


1-4 Lobby(North)
04/2014
00:00
06:00
12:00
18:00
00:00
A
B
C
D
E
Edit
OK
Cancel
Date button

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| | | 1 | 2 B | 3 | 4 E | 5 A |
| 6 | 7 B | 8 D | 9 | 10 D | 11 | 12 |
| 13 E | 14 | 15 A | 16 C | 17 | 18 D | 19 |
| 20 | 21 C | 22 | 23 | 24 B | 25 C | 26 |
| 27 | 28 | 29 | 30 C | | | |

## [6] Saving the schedules

(1) To undo the changes made, touch [Cancel] before saving the schedules.
After completing the settings, touch [OK] to save the schedules.


1-4 Lobby (North)
04/2014
00:00
06:00
12:00
18:00
00:00
A
B
C
D
E
Edit
OK
Cancel
OK
Cancel

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|---|---|---|---|---|---|---|
| | | 1 | 2 B | 3 | 4 E | 5 A |
| 6 | 7 B | 8 D | 9 | 10 D | 11 | 12 |
| 13 E | 14 | 15 A | 16 C | 17 | 18 D | 19 |
| 20 | 21 C | 22 | 23 | 24 B | 25 C | 26 |
| 27 | 28 | 29 | 30 C | | | |

## [7] Copying a schedule to another group

(1) Refer to 3-3-1-1 [7] “Copying a schedule to another group” for details.

## 3-3-2-2. Integrated Centralized Control Web

### [1] Selecting a target to which the schedule will be applied

(1) In the Floor Layout screen or group list, select a group icon(s) to which the schedule will be applied. Refer to 3-3-1-2 [1] “Selecting a target to which the schedule will be applied” for details.

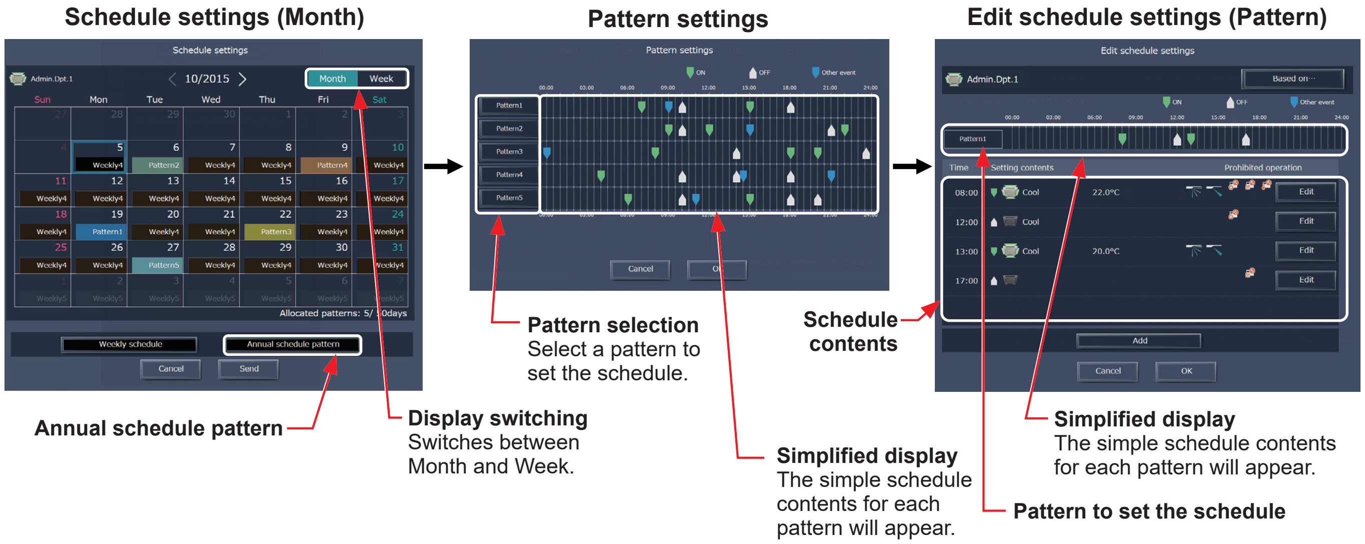
### [2] Selecting a schedule pattern

Up to five operation patterns can be set.

(1) In the Schedule settings screen (Month or Week display), click [Annual schedule pattern].

(2) In the pattern settings screen, select a schedule pattern to set the schedule.

(3) An Edit schedule settings screen will appear.


Schedule settings (Month)
Pattern settings
Edit schedule settings (Pattern)
Schedule settings
Admin.Dpt.1
10/2015
Month
Week
Sun
Mon
Tue
Wed
Thu
Fri
Sat
Weekly4
Pattern1
Pattern2
Pattern3
Pattern4
Pattern5
Weekly5
Allocated patterns: 5/ 10days
Weekly schedule
Annual schedule pattern
Cancel
Send
ON
OFF
Other event
OK
Edit schedule settings
Based on···
Time
Setting contents
Prohibited operation
08:00
12:00
13:00
17:00
Cool
22.0°C
20.0°C
Edit
Add

**Annual schedule pattern**

**Display switching**
Switches between Month and Week.

**Pattern selection**
Select a pattern to set the schedule.

**Simplified display**
The simple schedule contents for each pattern will appear.

**Schedule contents**

**Simplified display**
The simple schedule contents for each pattern will appear.

**Pattern to set the schedule**

### [3] Creating or changing the schedule contents

(1) In the Edit schedule settings screen, set the start time to apply to the schedule, set the operations to be scheduled, and then click [OK].
Refer to 3-3-1-2 [4] “Creating or changing the schedule contents” for details.

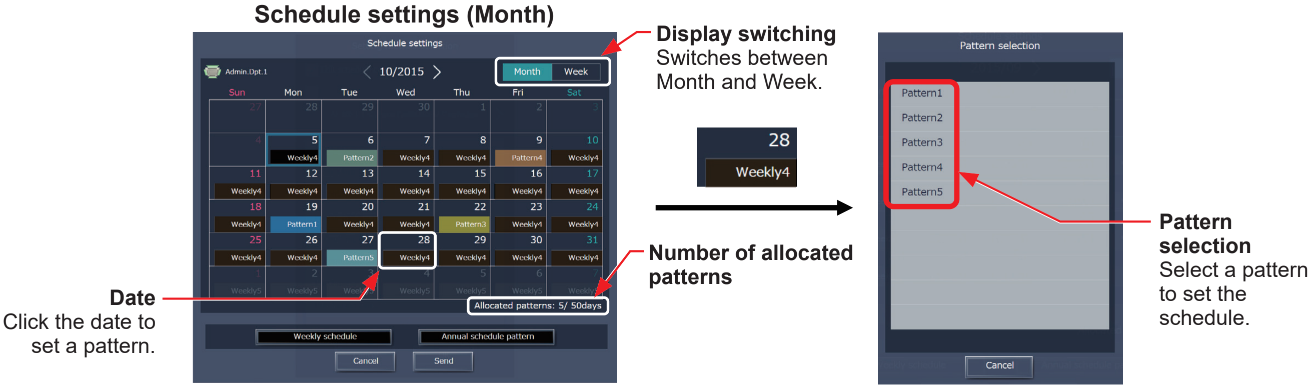
## [4] Allocating schedule patterns to special dates

Each schedule pattern can be allocated to the specified dates such as public holidays and summer vacation.

(1) In the Schedule settings screen (Month or Week display), click the date to set a pattern.

(2) Select the pattern to be allocated to the selected date.

**Schedule settings (Month)**


Schedule settings
Admin.Dpt.1
10/2015
Month
Week
Sun
Mon
Tue
Wed
Thu
Fri
Sat
Weekly4
Pattern1
Pattern2
Pattern3
Pattern4
Pattern5
Weekly5
Allocated patterns: 5/ 50days
Weekly schedule
Annual schedule pattern
Cancel
Send
28
Weekly4
Pattern selection
Pattern1
Pattern2
Pattern3
Pattern4
Pattern5
Cancel

**Display switching**
Switches between Month and Week.

**Number of allocated patterns**

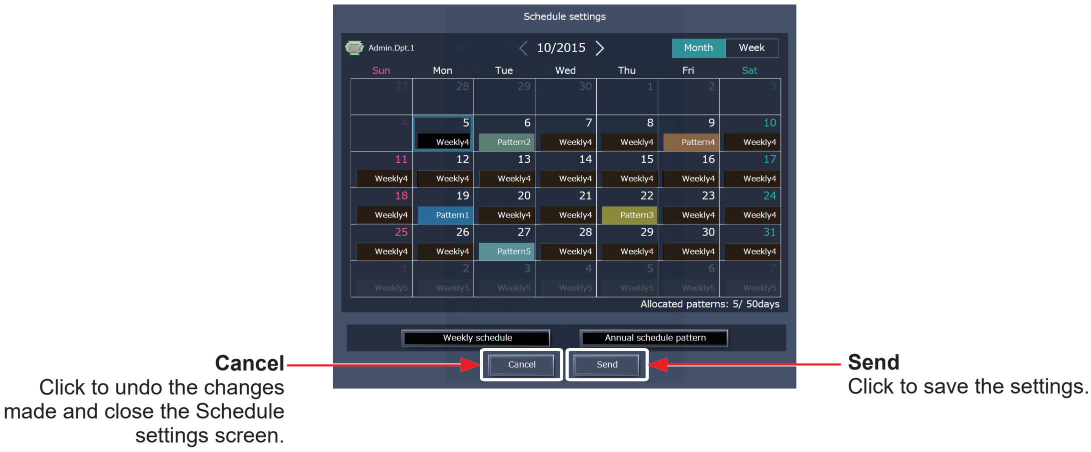
**Date**
Click the date to set a pattern.

**Pattern selection**
Select a pattern to set the schedule.

## [5] Saving the schedules

(1) After the schedule settings are completed, click [Send] on the Schedule settings screen to send and save the settings to the centralized controllers.
To undo the changes made, click [Cancel].

**Schedule settings**


Schedule settings
Admin.Dpt.1
10/2015
Month
Week
Sun
Mon
Tue
Wed
Thu
Fri
Sat
Weekly4
Pattern1
Pattern2
Pattern3
Pattern4
Pattern5
Weekly5
Allocated patterns: 5/ 50days
Weekly schedule
Annual schedule pattern
Cancel
Send

**Cancel**
Click to undo the changes made and close the Schedule settings screen.

**Send**
Click to save the settings.

Note: Clicking [Send] will send the schedule settings to the centralized controllers (AE-200/AE-50/EW-50). It may take a few minutes to complete the transmission, depending on the volume of the schedule contents.

## [6] Copying existing settings of other group

(1) The annual schedule settings can be copied among groups.
Refer to 3-3-1-2 [6] “Copying existing settings of other group” for details.

## [7] Creating a schedule based on existing settings of other pattern

When setting annual schedule patterns, the schedule settings can be created based on existing settings of other pattern.

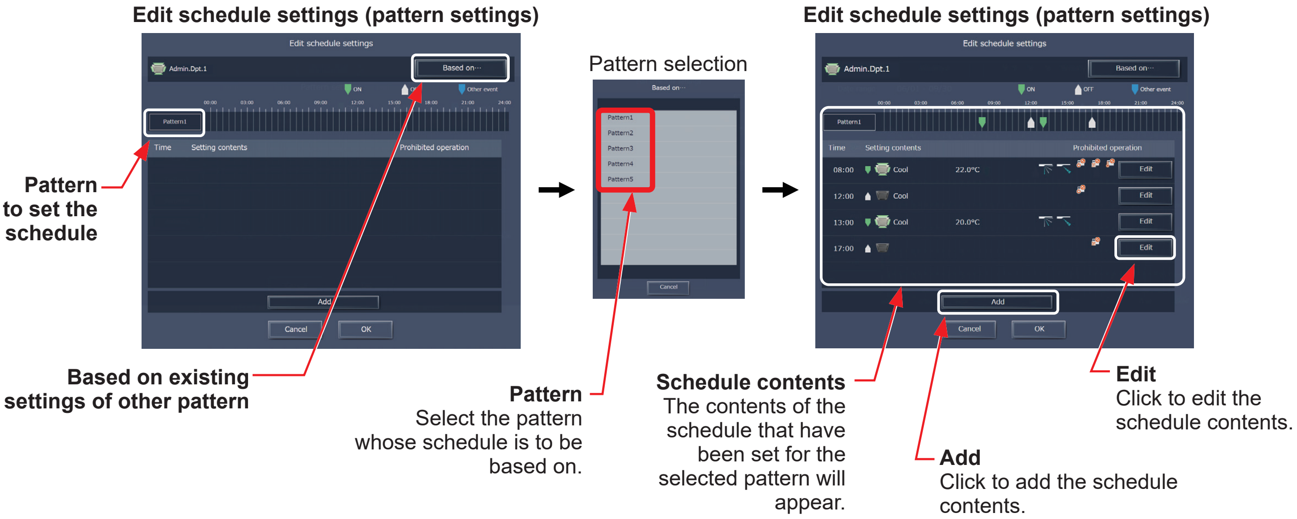
(1) In the Edit schedule settings screen, click [Based on...].

(2) In the [Based on...] screen, select the pattern or the day of the week whose schedule is to be based on.

(3) The contents of the schedule that have been set for the selected pattern or the day of the week will appear in the Edit schedule settings screen.

(4) Add or change the schedule contents, if necessary.

- Annual schedule


Edit schedule settings (pattern settings)
Edit schedule settings
Admin.Dpt.1
Based on···
ON
OFF
Other event
00:00
03:00
06:00
09:00
12:00
15:00
18:00
21:00
24:00
Pattern1
Time
Setting contents
Prohibited operation
Add
Cancel
OK
Pattern selection
Based on···
Pattern1
Pattern2
Pattern3
Pattern4
Pattern5
Cancel
Edit schedule settings (pattern settings)
Edit schedule settings
Admin.Dpt.1
Based on···
ON
OFF
Other event
Pattern1
Edit
Add
Cancel
OK

| Time | Setting contents | | Prohibited operation |
|---|---|---|---|
| 08:00 | Cool | 22.0°C | |
| 12:00 | Cool | | |
| 13:00 | Cool | 20.0°C | |
| 17:00 | | | |

**Pattern to set the schedule**

**Based on existing settings of other pattern**

**Pattern**
Select the pattern whose schedule is to be based on.

**Schedule contents**
The contents of the schedule that have been set for the selected pattern will appear.

**Add**
Click to add the schedule contents.

**Edit**
Click to edit the schedule contents.

## 3-3-3. Today’s Schedule

On the Today’s Schedule settings screen, schedules can be set for the current day without modifying the weekly or annual schedules.

Note: Be sure to set the contents of schedule in a way that will not impact on the next day’s operation. For example, if Prohibit setting of remote controller operation is made for any time such as 17: 00, Permit setting needs to be made for any time before the date changes such as 23: 59.

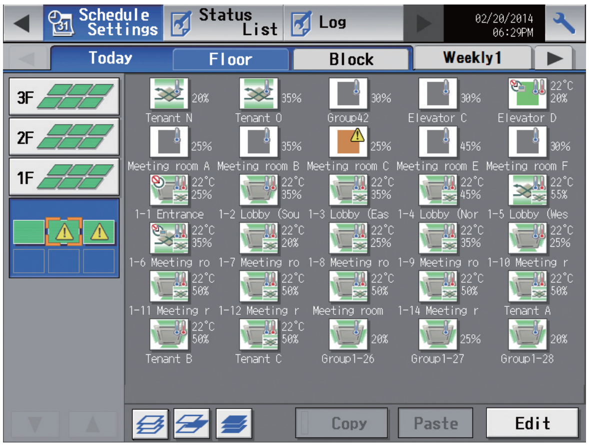
Note: Even if the today’s schedule for a given day is deleted, the weekly or annual schedule set for the day will not run.

### 3-3-3-1. LCD

Touch [Schedule Settings] in the menu bar, and then touch [Today].

#### [1] Selecting a target to which the schedule will be applied

(1) On the [Floor] or [Block] display, select a group(s), block(s), or floor(s) to which the schedule will be applied. (Refer to 3-1-4 “Selecting the icons of the groups to be operated” for details.)


Schedule Settings
Status List
Log
02/20/2014 06:29PM
Today
Floor
Block
Weekly1
3F
2F
1F
20% Tenant N
35% Tenant O
30% Group42
30% Elevator C
22°C 20% Elevator D
25% Meeting room A
35% Meeting room B
25% Meeting room C
45% Meeting room E
30% Meeting room F
22°C 25% 1-1 Entrance
22°C 35% 1-2 Lobby (Sou
22°C 35% 1-3 Lobby (Eas
22°C 45% 1-4 Lobby (Nor
22°C 55% 1-5 Lobby (Wes
22°C 35% 1-6 Meeting ro
22°C 20% 1-7 Meeting ro
22°C 25% 1-8 Meeting ro
22°C 35% 1-9 Meeting ro
22°C 25% 1-10 Meeting r
22°C 50% 1-11 Meeting r
22°C 50% 1-12 Meeting r
22°C 50% Meeting room
22°C 50% 1-14 Meeting r
22°C 50% Tenant A
22°C 50% Tenant B
22°C 50% Tenant C
20% Group1-26
25% Group1-27
20% Group1-28
Copy
Paste
Edit

#### [2] Setting the contents of the schedule

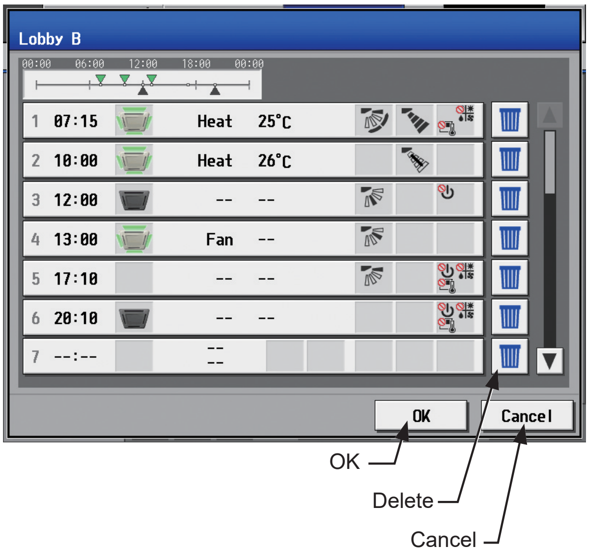
(1) Touch the row of the schedule to be set in the “Contents of Schedule” section to display the schedule settings screen.
Set the start time to apply to the schedule, set the operations to be scheduled, and then touch [OK]. (Refer to section 3-3-1-1 [4] “Setting the contents of the schedule” for details.)

#### [3] Saving the schedules

To undo the changes made, touch [Cancel] before saving the schedules.
After completing the settings, touch [OK] to save the schedules.

Note: To delete each scheduled events, touch the “Delete” button in the row of the schedule to be deleted.

Note: If no schedule setting is made and [OK] is touched, the weekly or annual schedules for the same day will not be performed.


Lobby B
00:00 06:00 12:00 18:00 00:00
OK
Cancel
OK
Delete
Cancel

| | | | |
|---|---|---|---|
| 1 | 07:15 | Heat | 25°C |
| 2 | 10:00 | Heat | 26°C |
| 3 | 12:00 | -- | -- |
| 4 | 13:00 | Fan | -- |
| 5 | 17:10 | -- | -- |
| 6 | 20:10 | -- | -- |
| 7 | --:-- | -- | |

#### [4] Copying a schedule to another group

(1) Refer to 3-3-1-1 [7] “Copying a schedule to another group” for details.

## 3-3-3-2. Integrated Centralized Control Web

### [1] Selecting a target to which the schedule will be applied

(1) In the Floor Layout screen or group list, select a group icon(s) to which the schedule will be applied. Refer to 3-3-1-2 [1] “Selecting a target to which the schedule will be applied” for details.

### [2] Setting or changing the contents of the schedule

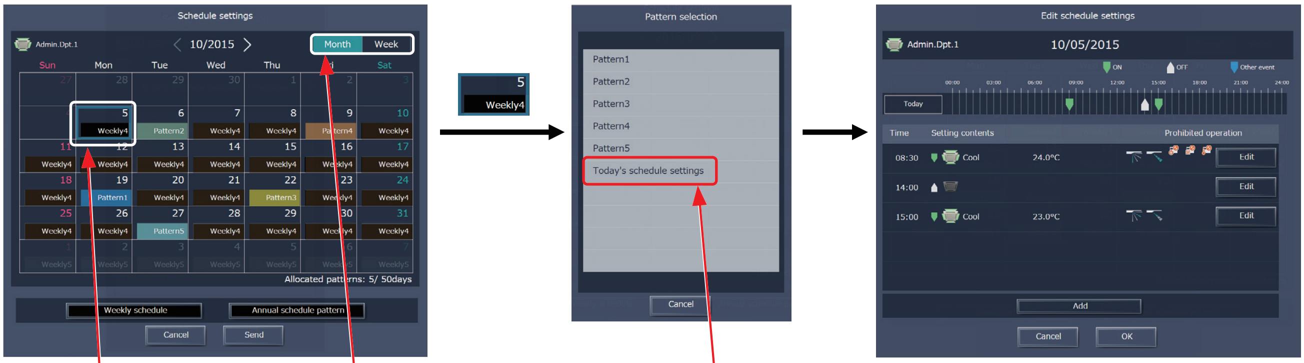
(1) In the Schedule settings screen (Month or Week display), click the date of the current day. The current day is displayed with a blue frame.

(2) Click [Today’s schedule settings].

(3) In the Edit schedule settings screen, set the start time to apply to the schedule, set the operations to be scheduled, and then click [OK]. Refer to 3-3-1-2 [4] “Creating or changing the schedule contents” for details.

Note: In the Schedule settings screen, “Today” ( 5 Today ) is displayed on the date of the current day to which Today’s schedule is set.

**Schedule settings (Month)** **Edit schedule settings (Today)**


Schedule settings
Admin.Dpt.1
10/2015
Month
Week
Sun
Mon
Tue
Wed
Thu
Fri
Sat
Weekly4
Pattern1
Pattern2
Pattern3
Pattern4
Pattern5
Weekly5
Allocated patterns: 5/ 50days
Weekly schedule
Annual schedule pattern
Cancel
Send
5
Weekly4
Pattern selection
Pattern1
Pattern2
Pattern3
Pattern4
Pattern5
Today's schedule settings
Cancel
Edit schedule settings
Admin.Dpt.1
10/05/2015
ON
OFF
Other event
Today
Time
Setting contents
Prohibited operation
08:30 Cool 24.0°C
14:00
15:00 Cool 23.0°C
Edit
Add
Cancel
OK

**Current day**
Click the current day.

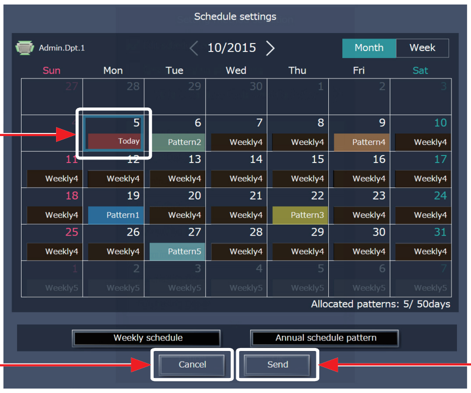
**Display switching**
Switches between Month and Week.

**Today’s schedule settings**

### [3] Saving the schedules

(1) After the schedule settings are completed, click [Send] on the Schedule settings screen to send and save the settings to the centralized controllers. To undo the changes made, click [Cancel].

**Schedule settings**


Schedule settings
Admin.Dpt.1
10/2015
Month
Week
Sun
Mon
Tue
Wed
Thu
Fri
Sat
Today
Pattern1
Pattern2
Pattern3
Pattern4
Pattern5
Weekly4
Weekly5
Allocated patterns: 5/ 50days
Weekly schedule
Annual schedule pattern
Cancel
Send

**Today’s schedule set**

**Cancel**
Click to undo the changes made and close the Schedule settings screen.

**Send**
Click to save the settings.

Note: Clicking [Send] will send the schedule settings to the centralized controllers (AE-200/AE-50/EW-50). It may take a few minutes to complete the transmission, depending on the volume of the schedule contents.

### [4] Copying existing settings of other group

(1) The today’s schedule settings can be copied among groups. Refer to 3-3-1-2 [6] “Copying existing settings of other group” for details.

# 3-4. Status List

## 3-4-1. Malfunction List

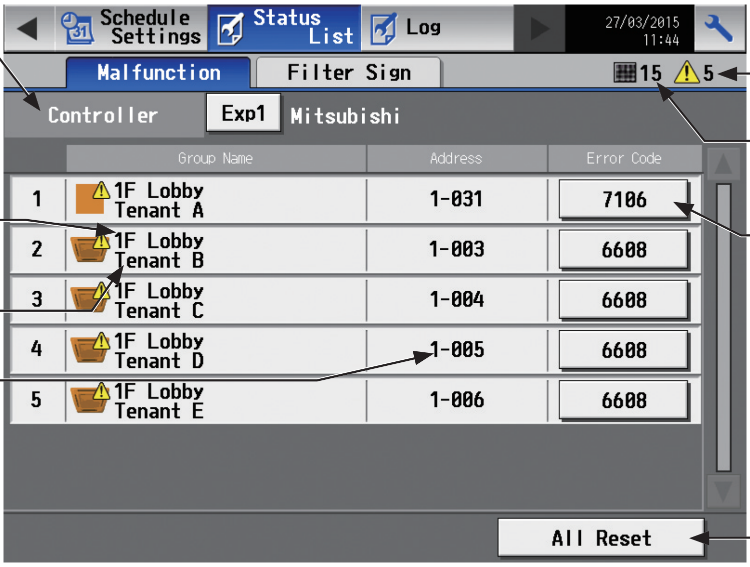
### 3-4-1-1. LCD

Touch [Status List] in the menu bar, and then touch [Malfunction].

A list of units that are currently malfunctioning will appear.

Note: The [Controller] setting will appear (only on the AE-200's LCD) when the [System Exp] setting on the [Unit Info.] screen is set to [Expand]. Switch the [Controller] setting between [AE200] and [Exp1] through [Exp4] to display the list for each AE-200, AE-50, and EW-50 individually.

Note: When an error occurs, check the address of the unit in error, error code and its definition, and then contact your dealer.



| | Group Name | Address | Error Code |
|---|---|---|---|
| 1 | 1F Lobby Tenant A | 1-031 | 7106 |
| 2 | 1F Lobby Tenant B | 1-003 | 6608 |
| 3 | 1F Lobby Tenant C | 1-004 | 6608 |
| 4 | 1F Lobby Tenant D | 1-005 | 6608 |
| 5 | 1F Lobby Tenant E | 1-006 | 6608 |

**Controller**
Select [AE] to display the list for AE-200, and select [1], [2], [3], or [4] to display the list for each AE-50/EW-50.

**Floor name or block name**

**Group name**

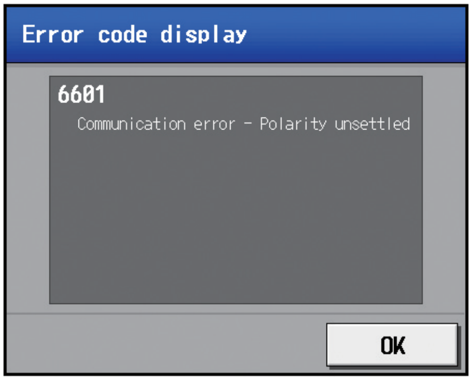
**Unit address**

**Number of units in error**

**Number of units whose filter sign is turned on**

**Error code**

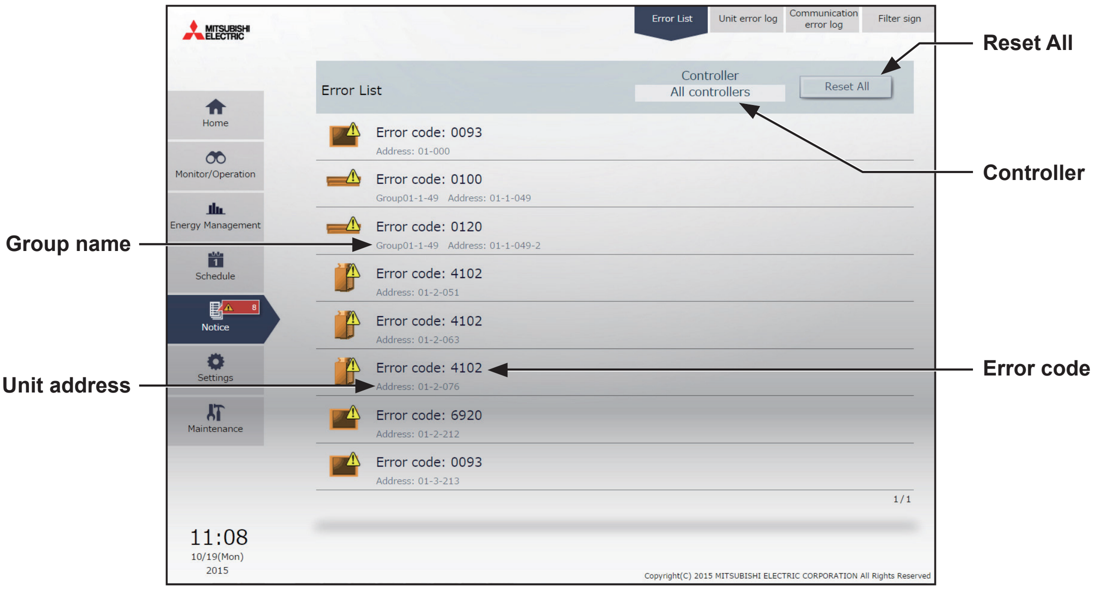
**All Reset**
Touch to reset all errors at once.

| Item | Description |
|---|---|
| Floor name or block name | The name of the floor or the block that the unit in error belongs to will appear.<br>Note: This area will be blank if the unit in error is a unit such as an outdoor unit or a system controller.<br>Note: This area will be blank if the unit in error is a unit that does not belong to any block or floor. |
| Group name | The name of the group that the unit in error belongs to will appear.<br>Note: This area will be blank if the unit in error is a unit such as an outdoor unit or a system controller. |
| Unit address | The address of the unit in error will appear.<br>Note: When [1], [2], [3], or [4] is selected as [Controller], AE-50/EW-50 No. and unit address will appear. (When the AE-50/EW-50 No. is 1 and the unit address is 012, "1-012" will appear.) |
| Number of units in error | The number of malfunctioning units will appear. |
| Error code | The error code that corresponds to the error will appear.<br>Touch the error code to display the definition.<br><br>Error code display<br>6601<br>Communication error - Polarity unsettled<br>OK |
| All Reset | Touch to reset all errors at once.<br>Note: The units whose error has been reset will stop.<br>Note: When the errors are reset, the units that are not in error may stop. Refer to the Instruction Book (Detailed operations) for details.<br>Note: A message "Resetting" may be displayed while the error is being reset. |

## 3-4-1-2. Integrated Centralized Control Web

Click [Notice] in the menu, and then click [Error List] to access the Error List screen.
A list of units that are currently malfunctioning will appear.

Note: When an error occurs, check the address of the unit in error, error code and its definition, and then contact your dealer.


Reset All
Controller
Group name
Unit address
Error code
Error List
Unit error log
Communication error log
Filter sign
Controller
All controllers
Reset All
Home
Monitor/Operation
Energy Management
Schedule
Notice
8
Settings
Maintenance
11:08
10/19(Mon)
2015

Error List

Error code: 0093
Address: 01-000

Error code: 0100
Group01-1-49 Address: 01-1-049

Error code: 0120
Group01-1-49 Address: 01-1-049-2

Error code: 4102
Address: 01-2-051

Error code: 4102
Address: 01-2-063

Error code: 4102
Address: 01-2-076

Error code: 6920
Address: 01-2-212

Error code: 0093
Address: 01-3-213

1/1

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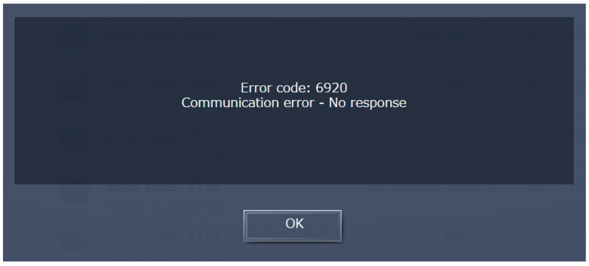
| Item | Description |
|---|---|
| Controller | Display target units can be narrowed down by selecting a centralized controller. |
| Group name | The name of the group that the unit in error belongs to will appear.<br>Note: The group name will not be displayed if the unit in error is a unit such as an outdoor unit or a system controller. |
| Unit address | The centralized controller No. and address of the unit in error will appear. |
| Error code | The error code that corresponds to the error will appear.<br>Click the error code to display the definition.<br><br>Error code: 6920<br>Communication error - No response<br> |
| Reset All | Click to reset the errors at once.<br>Note: The units whose error has been reset will stop.<br>Note: Only the errors of the centralized controller selected in [Controller] will be reset. |

* The units that are not in error may stop when errors are reset. Refer to the AE-200/AE-50 Instruction Book (Detailed operations) for details.

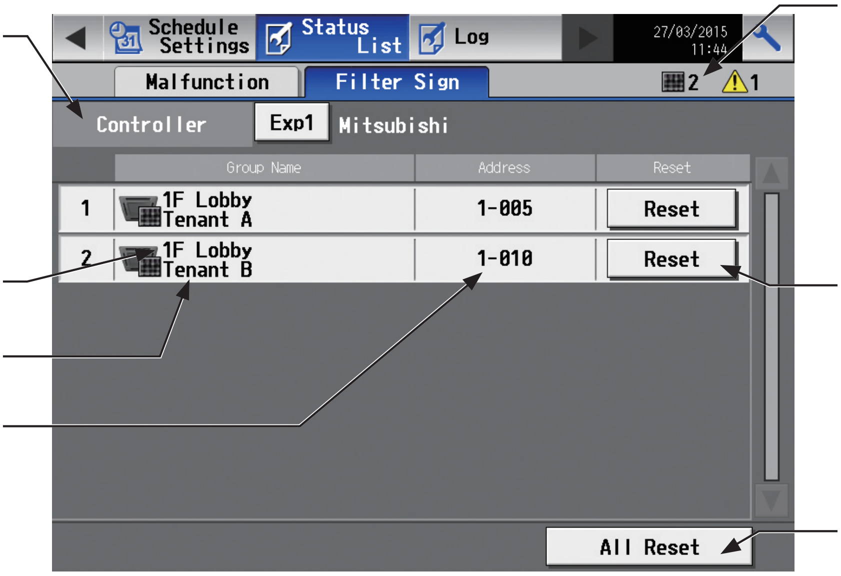
## 3-4-2. Filter Sign List

### 3-4-2-1. LCD

A list of units whose filter sign is turned on can be displayed.

Touch [Status List] in the menu bar, and then touch [Filter Sign].

Note: The [Controller] setting will appear (only on the AE-200's LCD) when the [System Exp] setting on the [Unit Info.] screen is set to [Expand]. Switch the [Controller] setting between [AE200] and [Exp1] through [Exp4] to display the list for each AE-200, AE-50, and EW-50 individually.



| | Group Name | Address | Reset |
|---|---|---|---|
| 1 | 1F Lobby<br>Tenant A | 1-005 | Reset |
| 2 | 1F Lobby<br>Tenant B | 1-010 | Reset |

**Controller**
Select [AE] to display the list for AE-200, and select [1], [2], [3], or [4] to display the list for each AE-50/EW-50.

**Number of units whose filter sign is turned on**

**Floor name or block name**

**Group Name**

**Unit address**

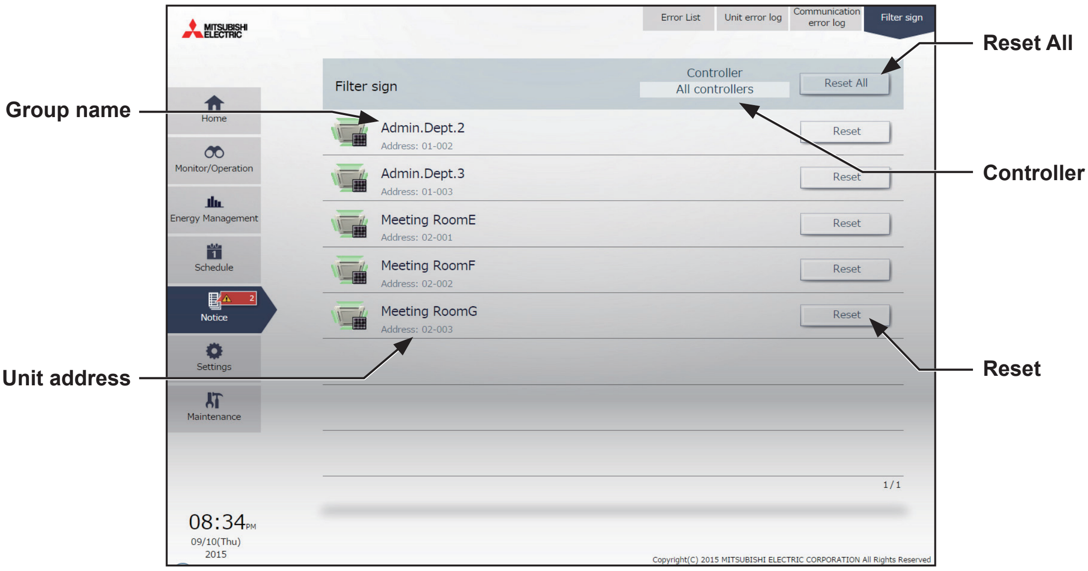
**Reset**
Touch to reset the filter sign.

**All Reset**
Touch to reset all filter signs at once.

| Item | Description |
|---|---|
| Number of units whose filter sign is turned on | The number of units whose filter sign is currently turned on will appear. |
| Floor name or block name | The name of the floor or the block that the unit whose filter sign is turned on belongs to will appear.<br>Note: This area will be blank if the unit whose filter sign is turned on does not belong to any floor or block. |
| Group name | The name of the group that the unit belongs to will appear. |
| Unit address | The address of the unit whose filter sign is turned on will appear.<br>Note: When [1], [2], [3], or [4] is selected as [Controller], AE-50/EW-50 No. and unit address will appear. (Example: 1-012) |
| Reset | Touch to reset each filter sign.<br>Note: Reset the filter sign after cleaning the filter.<br>Note: After the filter sign is reset, it takes up to an hour to clear the filter sign display on the local remote controllers. (When the filter sign is reset from the local remote controllers, it takes up to an hour to clear the filter sign display on the AE-200/AE-50's LCD.)<br>Note: A message "Resetting" may be displayed while the filter sign is being reset. |
| All Reset | Touch to reset all filter signs at once.<br>Note: Reset the filter signs after cleaning the filters.<br>Note: After the filter signs are reset, it takes up to an hour to clear the filter sign display on the local remote controllers. (When the filter signs are reset from the local remote controllers, it takes up to an hour to clear the filter sign display on the AE-200/AE-50's LCD.)<br>Note: A message "Resetting" may be displayed while the filter sign is being reset. |

## 3-4-2-2. Integrated Centralized Control Web

A list of units whose filter sign is turned on can be displayed.
Click [Notice] in the menu, and then click [Filter sign] to access the Filter sign screen.


MITSUBISHI ELECTRIC
Error List
Unit error log
Communication error log
Filter sign
Filter sign
Reset All
Home
Monitor/Operation
Energy Management
Schedule
Notice
Settings
Maintenance
Admin.Dept.2
Address: 01-002
Admin.Dept.3
Address: 01-003
Meeting RoomE
Address: 02-001
Meeting RoomF
Address: 02-002
Meeting RoomG
Address: 02-003
Reset
Reset
Reset
Reset
Reset
1 / 1
08:34PM
09/10(Thu)
2015
Copyright(C) 2015 MITSUBISHI ELECTRIC CORPORATION All Rights Reserved
Group name
Unit address
Reset All
Controller
Reset

Controller: All controllers

| Item | Description |
|---|---|
| Controller | Display target unit groups can be narrowed down by selecting a centralized controller. |
| Group name | The name of the group that the unit whose filter sign is turned on belongs to will appear. |
| Unit address | The centralized controller No. and address of the unit whose filter sign is turned on will appear. |
| Reset | Click to reset the filter sign of the group that the unit whose filter sign is turned on belongs to.<br>Note: Reset the filter sign after cleaning the filter.<br>Note: To clear the cumulative filter usage time on the unit on which the filter sign is not indicated, do so from the Advanced settings screen. Refer to the AE-200/AE-50/EW-50 Instruction Book (Integrated Centralized Control Web) for details. |
| Reset All | Click to reset all filter signs of the centralized controller selected in [Controller] at once.<br>Note: Reset the filter sign after cleaning the filter.<br>Note: After the filter signs are reset, it takes up to an hour to clear the filter sign display on the local remote controllers.<br>When the filter signs are reset from the local remote controllers, it takes up to an hour to clear the filter sign display on this screen. |

# 3-5. Malfunction Log

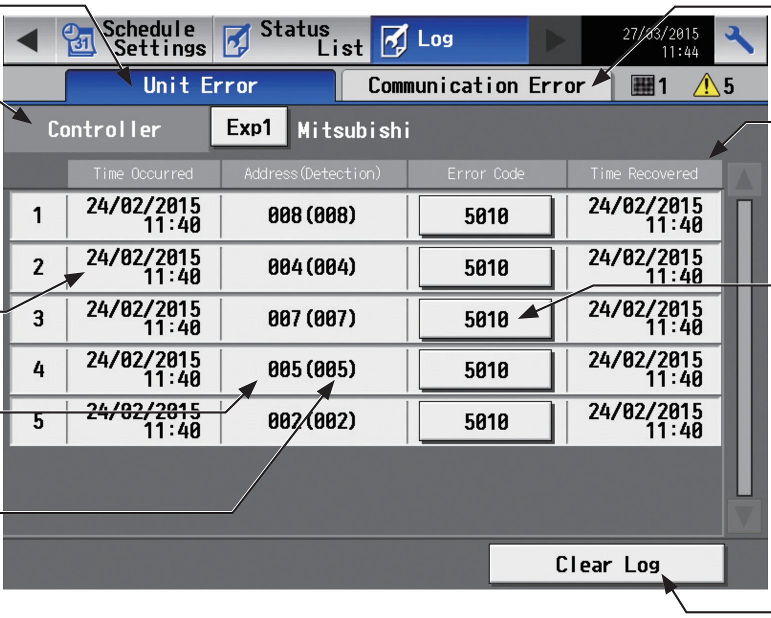
## 3-5-1. Unit Error/Communication Error

### 3-5-1-1. LCD

Touch [Log] in the menu bar, and then touch [Unit Error] to display unit errors, or touch [Communication Error] to display M-NET communication errors.

Note: The [Controller] setting will appear (only on the AE-200's LCD) when the [System Exp] setting on the [Unit Info.] screen is set to [Expand]. Switch the [Controller] setting between [AE200] and [Exp1] through [Exp4] to display the log for each AE-200, AE-50, and EW-50 individually.

Note: If there is no error occurred, no error log will appear.



Controller Exp1 Mitsubishi

|  | Time Occurred | Address (Detection) | Error Code | Time Recovered |
|---|---|---|---|---|
| 1 | 24/02/2015 11:40 | 008(008) | 5010 | 24/02/2015 11:40 |
| 2 | 24/02/2015 11:40 | 004(004) | 5010 | 24/02/2015 11:40 |
| 3 | 24/02/2015 11:40 | 007(007) | 5010 | 24/02/2015 11:40 |
| 4 | 24/02/2015 11:40 | 005(005) | 5010 | 24/02/2015 11:40 |
| 5 | 24/02/2015 11:40 | 002(002) | 5010 | 24/02/2015 11:40 |

**Unit Error**
Touch to display the unit error log.

**Controller**
Select [AE] to display the log for AE-200, and select [1], [2], [3], or [4] to display the log for each AE-50/EW-50.

**Error occurrence date and time**

**Error source unit address**

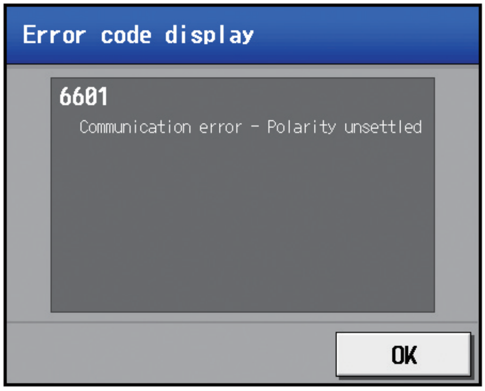
**Error detection unit address**

**Communication Error**
Touch to display the M-NET communication error log.

**Error recovery date and time**

**Error code**

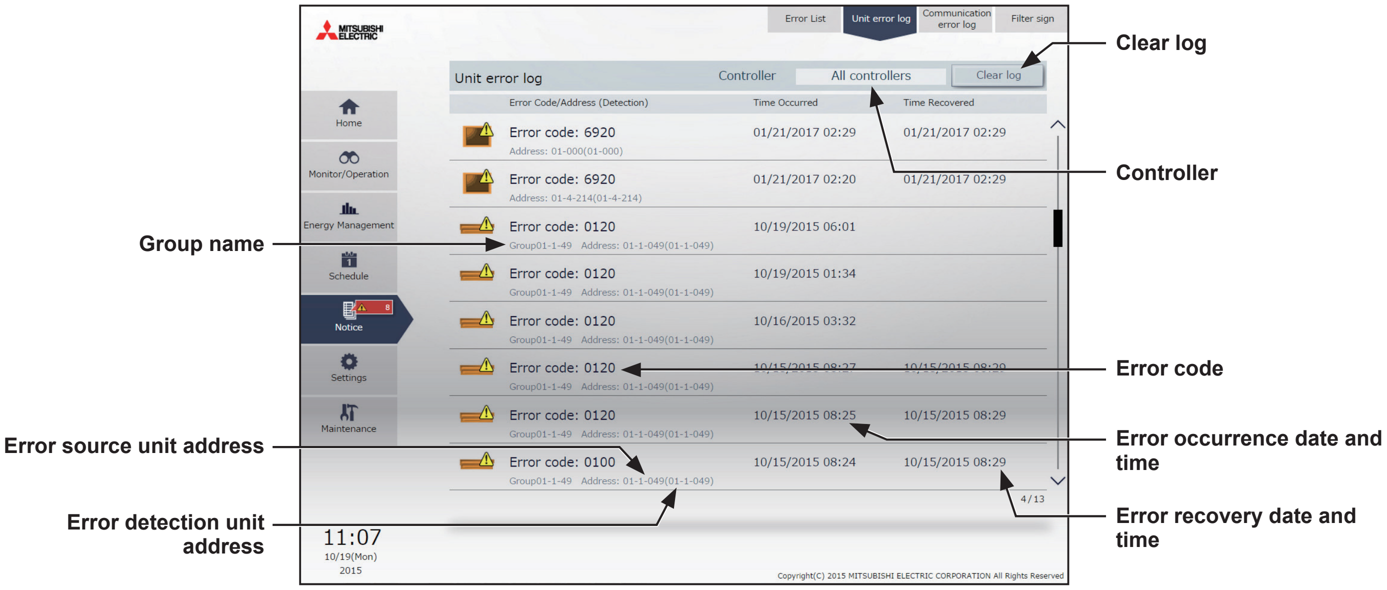
**Clear Log**
Touch to clear the error log.

| Item | Description |
|---|---|
| Unit Error | Touch to display the unit error log.<br>Note: The latest 64 unit errors will appear for each AE-200/AE-50/EW-50. |
| Communication Error | Touch to display the M-NET communication error log.<br>Note: The latest 64 communication errors will appear for each AE-200/AE-50/EW-50. |
| Clear Log | Touch to clear the error log. |
| Error occurrence date and time | The date and time when the error occurred will appear. |
| Error source unit address | The address of the unit in error will appear.<br>Note: When [1], [2], [3], or [4] is selected as [Controller], AE-50/EW-50 No. and unit address will appear. (Example: 1-012) |
| Error detection unit address | The address of the unit that detected the error will appear.<br>Note: When [1], [2], [3], or [4] is selected as [Controller], AE-50/EW-50 No. and unit address will appear. (Example: 1-012) |
| Error recovery date and time | The date and time when the error recovered will appear. |
| Error code | The error code that corresponds to the error will appear.<br>Touch the error code to display the definition.<br><br>Error code display<br>6601<br>Communication error - Polarity unsettled<br>OK |

### 3-5-1-2. Integrated Centralized Control Web

Click [Notice] in the menu, and then click [Unit error log] to access the Unit error log screen.

Note: The latest 64 unit errors will appear for each AE-200/AE-50/EW-50.
Note: Unit errors of all AE-200/AE-50/EW-50 controllers will appear in a list.


MITSUBISHI ELECTRIC
Error List
Unit error log
Communication error log
Filter sign
Home
Monitor/Operation
Energy Management
Schedule
Notice
Settings
Maintenance
Clear log
Controller
Group name
Error code
Error source unit address
Error occurrence date and time
Error detection unit address
Error recovery date and time

Unit error log   Controller   All controllers   Clear log

| Error Code/Address (Detection) | Time Occurred | Time Recovered |
|---|---|---|
| Error code: 6920<br>Address: 01-000(01-000) | 01/21/2017 02:29 | 01/21/2017 02:29 |
| Error code: 6920<br>Address: 01-4-214(01-4-214) | 01/21/2017 02:20 | 01/21/2017 02:29 |
| Error code: 0120<br>Group01-1-49 Address: 01-1-049(01-1-049) | 10/19/2015 06:01 | |
| Error code: 0120<br>Group01-1-49 Address: 01-1-049(01-1-049) | 10/19/2015 01:34 | |
| Error code: 0120<br>Group01-1-49 Address: 01-1-049(01-1-049) | 10/16/2015 03:32 | |
| Error code: 0120<br>Group01-1-49 Address: 01-1-049(01-1-049) | 10/15/2015 08:27 | 10/15/2015 08:29 |
| Error code: 0120<br>Group01-1-49 Address: 01-1-049(01-1-049) | 10/15/2015 08:25 | 10/15/2015 08:29 |
| Error code: 0100<br>Group01-1-49 Address: 01-1-049(01-1-049) | 10/15/2015 08:24 | 10/15/2015 08:29 |

4 / 13

11:07
10/19(Mon)
2015

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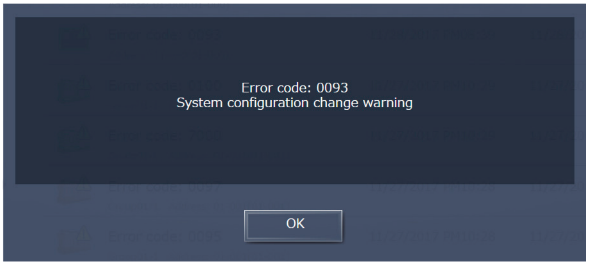
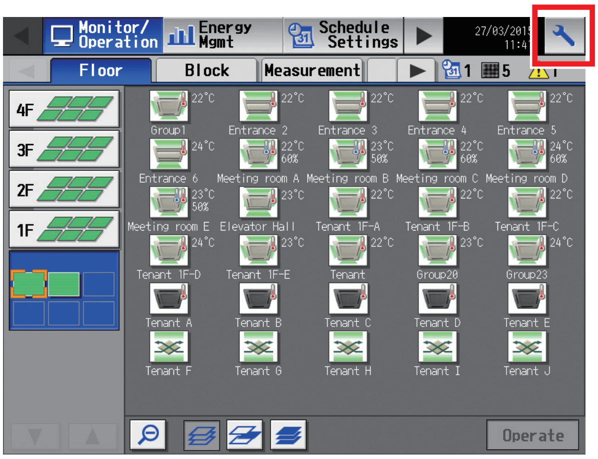
| Item | Description |
|---|---|
| Controller | Display target error log can be narrowed down by selecting a centralized controller. |
| Error occurrence date and time | The date and time when the error occurred will appear. |
| Error recovery date and time | The date and time when the error was resolved will appear. |
| Error code | The error code that corresponds to the error will appear.<br>Click the error code to display the definition.<br><br>Error code: 0093<br>System configuration change warning<br> |
| Error source unit address | The centralized controller No. and address of the unit in error will appear. |
| Error detection unit address | The address of the unit that detected the error will appear. |
| Clear log | Click to clear the displayed unit error log of the centralized controller selected in [Controller]. |

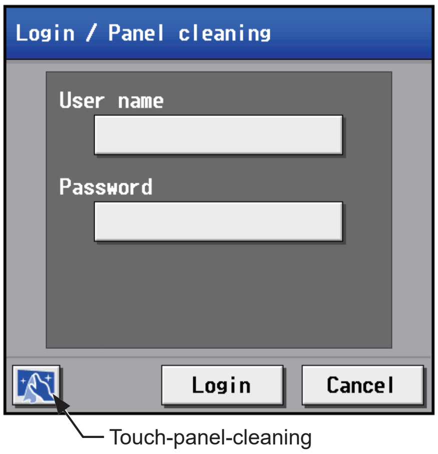
# 4. Practical operations

## 4-1. Cleaning the touch panel

(1) Touch [ 🔧 ] to display the login window.


Monitor/ Operation
Energy Mgmt
Schedule Settings
27/03/2015 11:4
Floor
Block
Measurement
4F
3F
2F
1F
Group1
Entrance 2
Entrance 3
Entrance 4
Entrance 5
Entrance 6
Meeting room A
Meeting room B
Meeting room C
Meeting room D
Meeting room E
Elevator Hall
Tenant 1F-A
Tenant 1F-B
Tenant 1F-C
Tenant 1F-D
Tenant 1F-E
Tenant
Group20
Group23
Tenant A
Tenant B
Tenant C
Tenant D
Tenant E
Tenant F
Tenant G
Tenant H
Tenant I
Tenant J
Operate

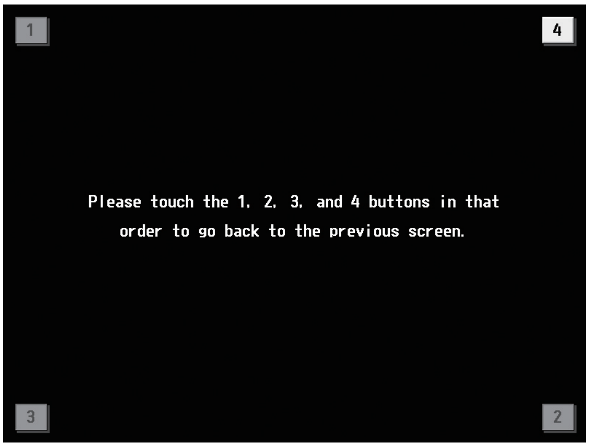
(2) On the Login window, touch the "Touch-panel-cleaning" button.


Login / Panel cleaning
User name
Password
Login
Cancel

Touch-panel-cleaning

(3) Clean the touch panel with a soft dry cloth, a well-wrung cloth that has been soaked in water with mild detergent, or a cloth dampened with ethanol.

Note: Do not use acidic, alkaline, or organic solvents.



Please touch the 1, 2, 3, and 4 buttons in that order to go back to the previous screen.

(4) After cleaning, touch the squares with numbers from 1 to 4. The screen will return to the previous screen.

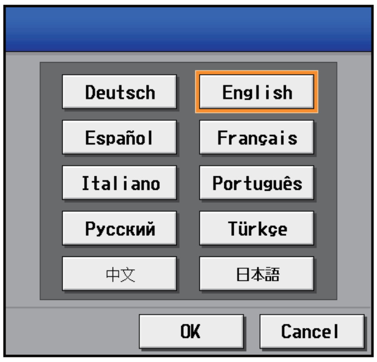
Note: The squares will change to gray when touched.

# 5. Initial startup settings

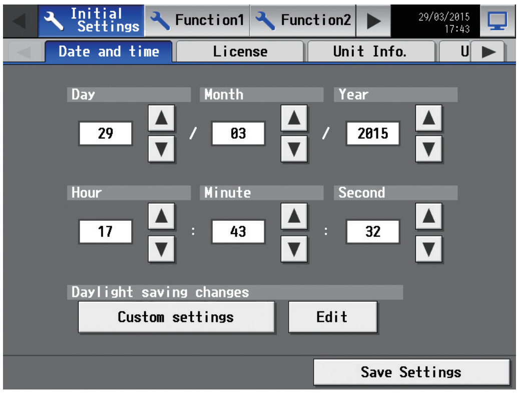
## 5-1. Initial startup setting procedures

### 5-1-1. AE-200 initial startup for a system without connection to an AE-50/EW-50 controller

(1) After the power is turned on, a language selection screen will appear.
Select the language to be used for display, and then touch [OK].
Note: It will take approximately one minute for the display to appear after the power is turned on.
Note: Do not touch the LCD before any settings screen appears.
Note: Once the initial settings have been made, [Monitor/Operation] screen will appear after the power is turned on.


Deutsch
English
Español
Français
Italiano
Português
Русский
Türkçe
中文
日本語
OK
Cancel

(2) The [Date and time] screen will appear.
Referring to section 5-2-3, set the current date, current time, and daylight saving time, and then touch [Save Settings].


Initial Settings
Function1
Function2
29/03/2015 17:43
Date and time
License
Unit Info.
U

Day 29 / Month 03 / Year 2015

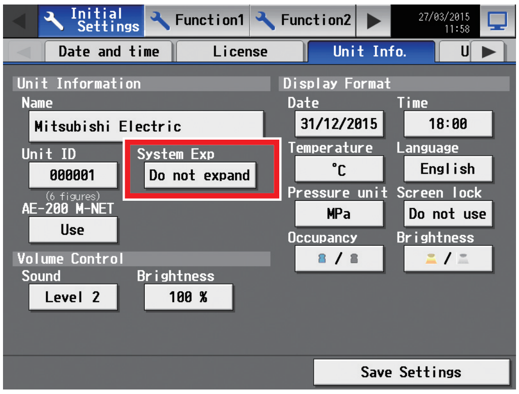
Hour 17 : Minute 43 : Second 32

Daylight saving changes: Custom settings

Edit
Save Settings

(3) Touch the [Unit Info.] and [Unit Info. 2] tabs.
Referring to section 5-2-5, make necessary basic settings, and then touch [Save Settings].
Note: Make sure to set the [System Exp] setting for the AE-200 to [Do not expand].
Note: Make sure to set the [AE-200 M-NET] setting to [Use].

Unit Info.


Initial Settings
Function1
Function2
27/03/2015 11:58
Date and time
License
Unit Info.
U

Unit Information

Name: Mitsubishi Electric

Unit ID: 000001 (6 figures)

System Exp: Do not expand

AE-200 M-NET: Use

Volume Control

Sound: Level 2

Brightness: 100 %

Display Format

Date: 31/12/2015

Time: 18:00

Temperature: °C

Language: English

Pressure unit: MPa

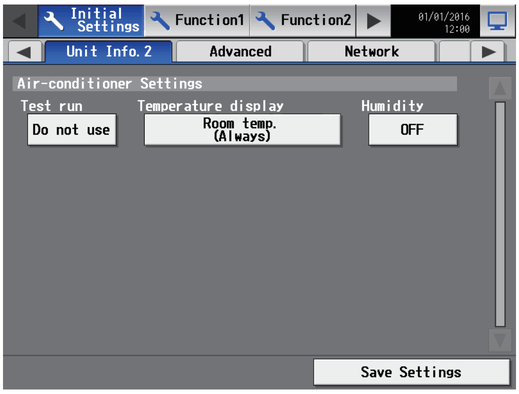
Screen lock: Do not use

Occupancy

Brightness

Save Settings

Unit Info. 2


Initial Settings
Function1
Function2
01/01/2016 12:00
Unit Info. 2
Advanced
Network

Air-conditioner Settings

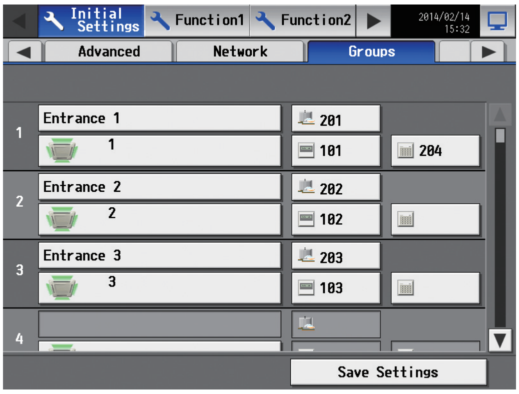
Test run: Do not use

Temperature display: Room temp. (Always)

Humidity: OFF

Save Settings

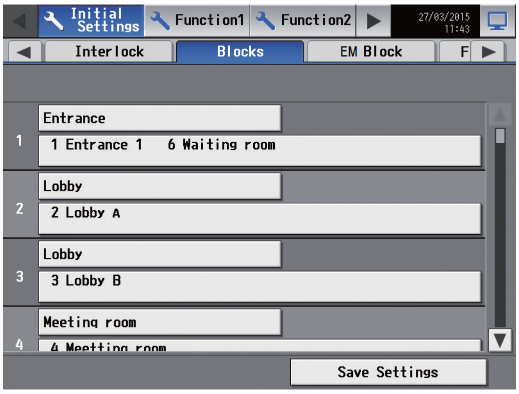
(4) Touch the right triangle button to display the [Groups] tab, and touch it.
Referring to section 5-2-7, make group settings, and then touch [Save Settings].


Initial Settings
Function1
Function2
2014/02/14 15:32
Advanced
Network
Groups
Save Settings

1 Entrance 1 — 1 — 201 — 101 — 204
2 Entrance 2 — 2 — 202 — 102
3 Entrance 3 — 3 — 203 — 103
4

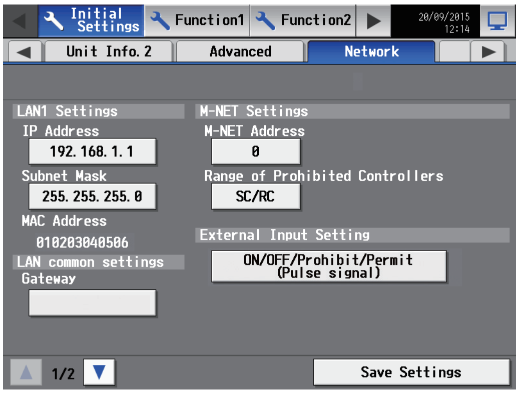
(5) Make the following settings, as required.

- Block settings (See section 5-2-8 “Blocks”.)
- Floor layout settings (See section 5-2-9 “Floor Layout”.)


Initial Settings
Function1
Function2
27/03/2015 11:43
Interlock
Blocks
EM Block
F
Save Settings

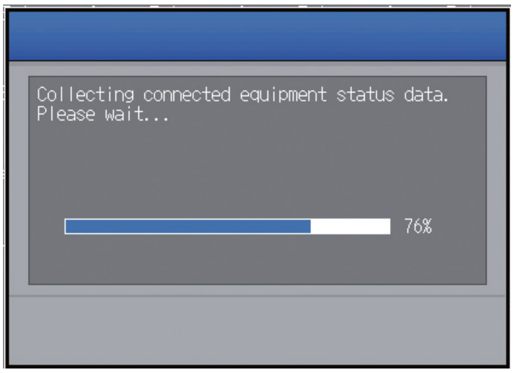
1 Entrance — 1 Entrance 1 6 Waiting room
2 Lobby — 2 Lobby A
3 Lobby — 3 Lobby B
4 Meeting room — 4 Meetting room

(6) Touch the right triangle button to display the [Network] tab, and touch it.
Referring to section 5-2-6, make necessary settings, and then touch [Save Settings].
Note: When the LAN settings are changed, AE-200 will reboot, and the step (7) below will be skipped.


Initial Settings
Function1
Function2
20/09/2015 12:14
Unit Info. 2
Advanced
Network
1/2
Save Settings

LAN1 Settings
IP Address: 192. 168. 1. 1
Subnet Mask: 255. 255. 255. 0
MAC Address: 010203040506
LAN common settings
Gateway:
M-NET Settings
M-NET Address: 0
Range of Prohibited Controllers: SC/RC
External Input Setting: ON/OFF/Prohibit/Permit (Pulse signal)

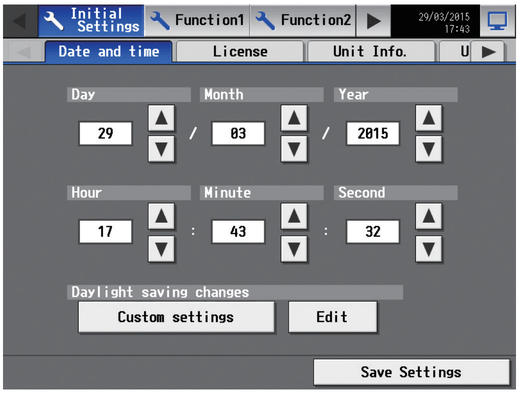
(7) Touch [ 🖥 ] at the right top of the screen.
A message “Are you sure you want to return to the Monitor / Operation screen?” will appear. Touch [Yes] to move to the [Monitor/Operation] screen.
Percentages of startup process completion will appear.
The initial settings are completed.
Note: When no communication errors occur, the startup process will take about two or three minutes after the message appears.
When an error is occurring, it may take about five minutes.



Collecting connected equipment status data.
Please wait...

76%

(8) Open the [Date and time] screen, and touch [Save Settings] to reflect the current date and time to each unit.


Initial Settings
Function1
Function2
29/03/2015 17:43
Date and time
License
Unit Info.
U
Custom settings
Edit
Save Settings

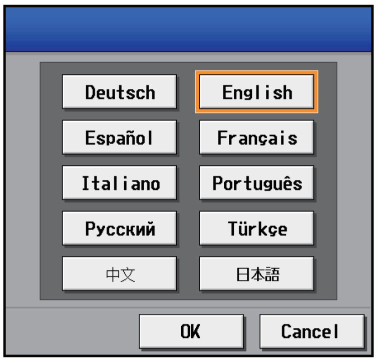
Day 29 / Month 03 / Year 2015
Hour 17 : Minute 43 : Second 32
Daylight saving changes

## 5-1-2. AE-200 initial startup for a system with connection to one or more AE-50/EW-50 controllers

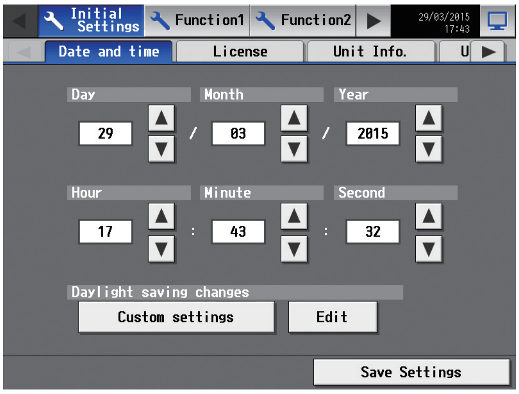
Note: When connecting one or more AE-50/EW-50 controllers, make sure to make network settings for the AE-50/EW-50 first, and then make network settings for the AE-200.

### [1] Settings on the AE-50

(1) After the power is turned on to the AE-50, a language selection screen will appear.
Select the language to be used for display, and then touch [OK].
Note: It will take approximately one minute for the display to appear after the power is turned on.
Note: Once the initial settings have been made, [Monitor/Operation] screen will appear after the power is turned on.


Deutsch
English
Español
Français
Italiano
Português
Русский
Türkçe
中文
日本語
OK
Cancel

(2) The [Date and time] screen will appear.

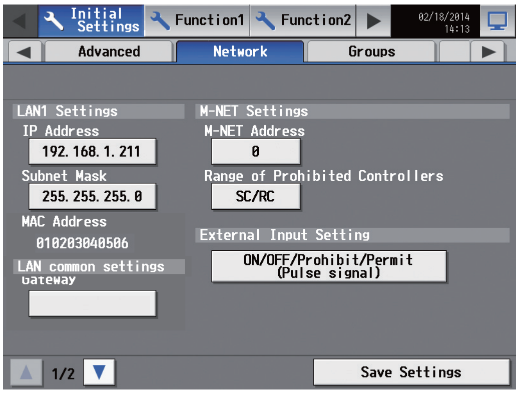

Initial Settings
Function1
Function2
29/03/2015 17:43
Date and time
License
Unit Info.
U
Daylight saving changes
Custom settings
Edit
Save Settings

Day 29 / Month 03 / Year 2015
Hour 17 : Minute 43 : Second 32

(3) Touch the right triangle button to display the [Network] tab, and touch it.
Referring to section 5-2-6, set the AE-50's IP address, and then touch [Save Settings].
The AE-50 will reboot.
Note: When multiple AE-50 controllers are connected, set the IP addresses on all AE-50.
Note: The AE-200 and AE-50's IP addresses must have the same network address.

<Reference: Default IP address>

| | |
|---|---|
| AE-200 | 192.168.1.1 |
| AE-50 | 192.168.1.211 |


Initial Settings
Function1
Function2
02/18/2014 14:13
Advanced
Network
Groups
1/2
Save Settings

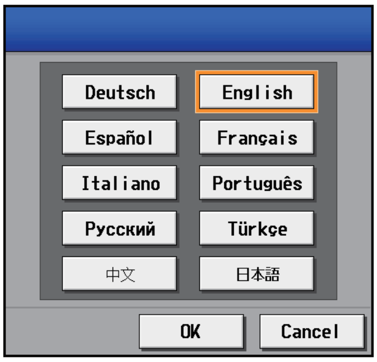
LAN1 Settings
IP Address: 192.168.1.211
Subnet Mask: 255.255.255.0
MAC Address: 010203040506
LAN common settings
Gateway:
M-NET Settings
M-NET Address: 0
Range of Prohibited Controllers: SC/RC
External Input Setting: ON/OFF/Prohibit/Permit (Pulse signal)

### [2] Settings on the EW-50

(1) Refer to the Instruction Book (Initial Settings) or the EW-50 Installation Manual.

### [3] Settings on the AE-200

(1) After the power is turned on to the AE-200, a language selection screen will appear.
Select the language to be used for display, and then touch [OK].
Note: It will take approximately one minute for the display to appear after the power is turned on.
Note: Do not touch the LCD before any settings screen appears.
Note: Once the initial settings have been made, [Monitor/Operation] screen will appear after the power is turned on.


Deutsch
English
Español
Français
Italiano
Português
Русский
Türkçe
中文
日本語
OK
Cancel

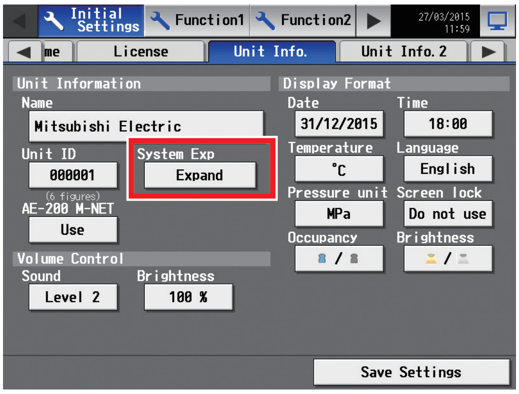
(2) Touch the [Unit Info.] and [Unit Info. 2] tabs.
Referring to section 5-2-5, make necessary basic settings, and then touch [Save Settings].

Note: Make sure to set the [System Exp] setting for the AE-200 to [Expand].

Note: The [AE-200 Apportion] setting will appear only when the "Charge" license has been registered.

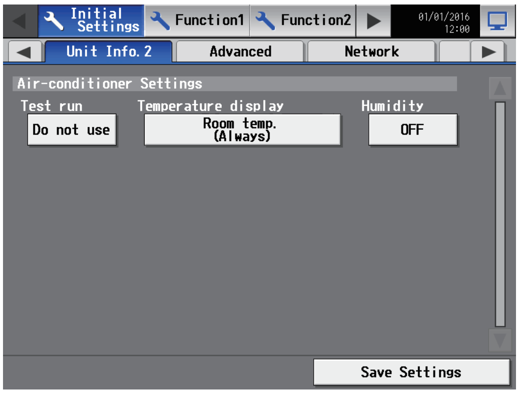
Note: When "AE-200 M-NET" is set to [Use], "Controller" can be switched to [AE200], [Exp1], [Exp2], or [Exp3] ([AE], [1], [2], or [3]).
When "AE-200 M-NET" is set to [Do not use], "Controller" can be switched to [AE200], [Exp1], [Exp2], [Exp3], or [Exp4] ([AE], [1], [2], [3], or [4]).

Unit Info.


Initial Settings
Function1
Function2
27/03/2015 11:59
me
License
Unit Info.
Unit Info. 2
Save Settings

Unit Information
Name: Mitsubishi Electric
Unit ID: 000001 (6 figures)
System Exp: Expand
AE-200 M-NET: Use
Volume Control
Sound: Level 2
Brightness: 100 %
Display Format
Date: 31/12/2015
Time: 18:00
Temperature: °C
Language: English
Pressure unit: MPa
Screen lock: Do not use
Occupancy
Brightness

Unit Info. 2

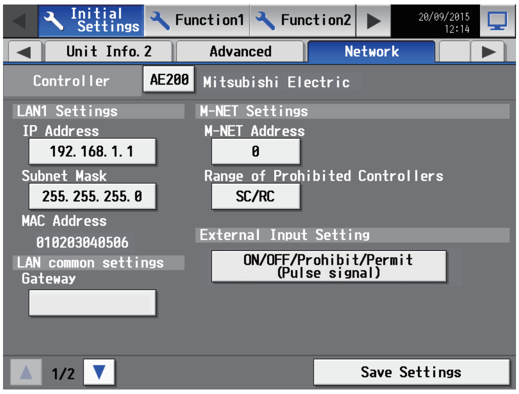

Initial Settings
Function1
Function2
01/01/2016 12:00
Unit Info. 2
Advanced
Network
Save Settings

Air-conditioner Settings
Test run: Do not use
Temperature display: Room temp. (Always)
Humidity: OFF

(3) Touch the right triangle button to display the [Network] tab, and touch it.
Referring to section 5-2-6, make sure that [AE200] is selected as [Controller], set the AE-200's IP address and subnet mask, and then touch [Save Settings].
The AE-200 will reboot.
When the reboot process is complete, log in to the Initial Settings menu.

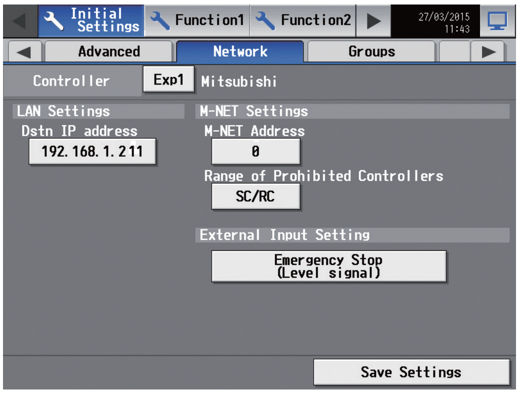
Note: Refer to section 5-2-1 "Logging in to the Initial Settings menu" for how to log in.

Note: Do not touch the LCD during the reboot.


Initial Settings
Function1
Function2
20/09/2015 12:14
Unit Info. 2
Advanced
Network
1/2
Save Settings

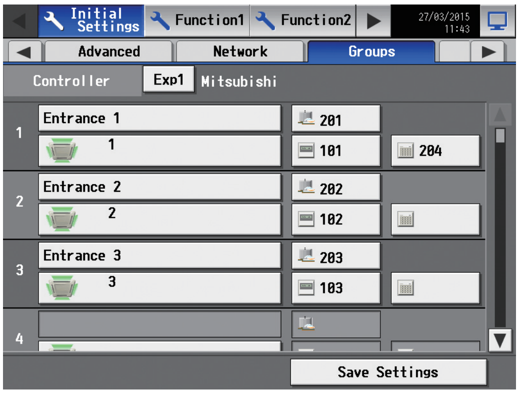
Controller: AE200 Mitsubishi Electric
LAN1 Settings
IP Address: 192.168.1.1
Subnet Mask: 255.255.255.0
MAC Address: 010203040506
LAN common settings
Gateway:
M-NET Settings
M-NET Address: 0
Range of Prohibited Controllers: SC/RC
External Input Setting: ON/OFF/Prohibit/Permit (Pulse signal)

(4) In the [Controller] section, select [1], [2], [3], or [4] to make settings for each AE-50/EW-50.
Referring to section 5-2-6, set the IP address of each AE-50/EW-50 that is connected to the AE-200, and M-NET address, and then touch [Save Settings].


Initial Settings
Function1
Function2
27/03/2015 11:43
Advanced
Network
Groups
Save Settings

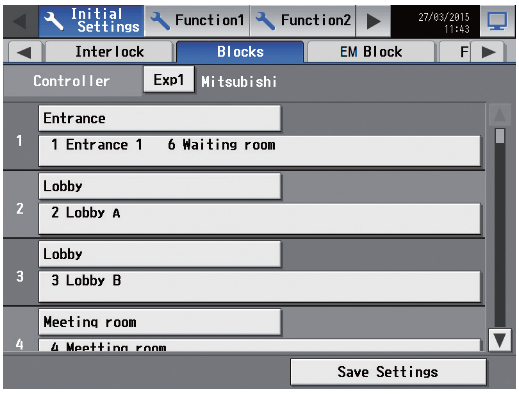
Controller: Exp1 Mitsubishi
LAN Settings
Dstn IP address: 192.168.1.211
M-NET Settings
M-NET Address: 0
Range of Prohibited Controllers: SC/RC
External Input Setting: Emergency Stop (Level signal)

(5) Touch the [Groups] tab.
Referring to section 5-2-7, select [AE], [1], [2], [3], or [4] in the [Controller] section, make group settings for each AE-200/AE-50/EW-50, and then touch [Save Settings] on each settings screen.
A message “Collecting connected equipment status data. Please wait...” will appear.

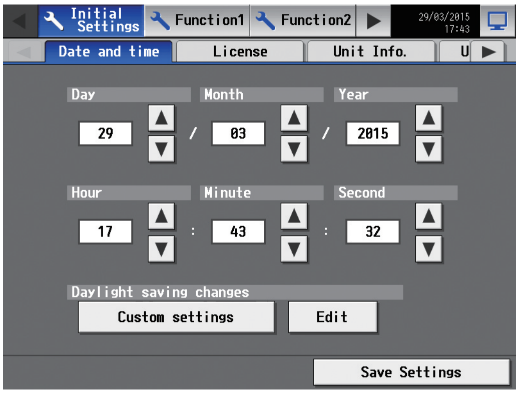

Initial Settings
Function1
Function2
27/03/2015 11:43
Advanced
Network
Groups
Controller
Exp1
Mitsubishi
1
Entrance 1
1
201
101
204
2
Entrance 2
2
202
102
3
Entrance 3
3
203
103
4
Save Settings

(6) Make the following settings, as required.

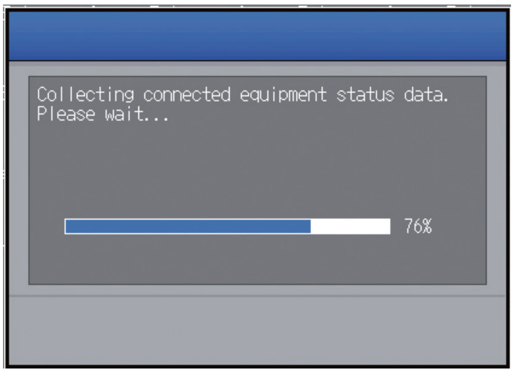
- Block settings (See section 5-2-8 “Blocks”.)
- Floor layout settings (See section 5-2-9 “Floor Layout”.)


Initial Settings
Function1
Function2
27/03/2015 11:43
Interlock
Blocks
EM Block
F
Controller
Exp1
Mitsubishi
1
Entrance
1 Entrance 1 6 Waiting room
2
Lobby
2 Lobby A
3
Lobby
3 Lobby B
4
Meeting room
4 Meetting room
Save Settings

(7) Touch the [Date and time] tab.
Referring to section 5-2-3, set the current date, current time, and daylight saving time, and then touch [Save Settings].
Note: The AE-200’s current date and time will be synchronized to each AE-50/EW-50 and remote controllers.


Initial Settings
Function1
Function2
29/03/2015 17:43
Date and time
License
Unit Info.
U
Day
29
Month
03
Year
2015
Hour
17
Minute
43
Second
32
Daylight saving changes
Custom settings
Edit
Save Settings

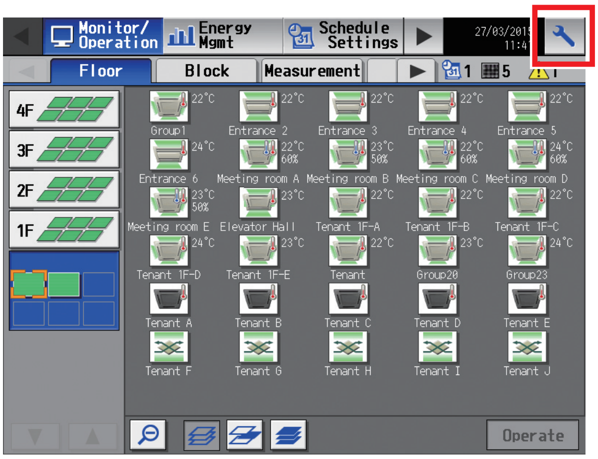
(8) Touch [ 🖥 ] at the right top of the screen to move to the [Monitor/Operation] screen.
Percentages of startup process completion will appear.
The initial settings are completed.
Note: When no communication errors occur, the startup process will take about two or three minutes after the message appears. When an error is occurring, it may take about five minutes.


Collecting connected equipment status data.
Please wait...

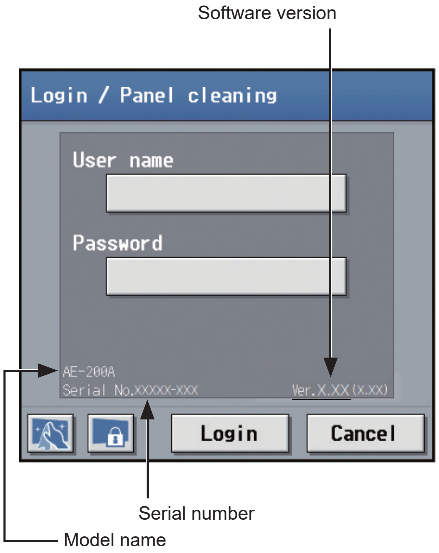
# 5-2. Initial Settings

## 5-2-1. Logging in to the Initial Settings menu

(1) Touch [ 🔧 ] to display the login window.


Monitor/ Operation
Energy Mgmt
Schedule Settings
27/03/2015
11:4
Floor
Block
Measurement
1
5
4F
3F
2F
1F
22°C
Group1
Entrance 2
Entrance 3
Entrance 4
Entrance 5
Entrance 6
Meeting room A
Meeting room B
Meeting room C
Meeting room D
Meeting room E
Elevator Hall
Tenant 1F-A
Tenant 1F-B
Tenant 1F-C
Tenant 1F-D
Tenant 1F-E
Tenant
Group20
Group23
Tenant A
Tenant B
Tenant C
Tenant D
Tenant E
Tenant F
Tenant G
Tenant H
Tenant I
Tenant J
Operate

(2) Enter the user name and the password on the keyboard screen (See [1] “Keyboard screen”), and touch [Login]. [Initial Settings] menu screen will appear.
The model name and the serial number will appear in the lower left of the window, and the software version information will appear in the lower right of the window.


Software version
Login / Panel cleaning
User name
Password
AE-200A
Serial No.XXXXX-XXX
Ver.X.XX (X.XX)
Login
Cancel
Serial number
Model name

Accessible users and available functions are shown in the table below.

| User | Available functions |
|---|---|
| Maintenance user | All functions |
| Building manager | The items to which access rights have been given on the [User Info] screen are available. |

Note: A maintenance user can specify the functions to be made available for building managers. Refer to the Instruction Book (Initial Settings) for details.

Default maintenance/building manager user names and the passwords are shown in the tables below.

Note: It is recommended to change the default user name and password so that the users other than the maintenance users and building managers will not be able to change the settings. Refer to the Instruction Book (Initial Settings) for how to change the default user name and password.
Write down the user name and the password, and keep them in the safe place. If you forget your user name or the password, contact your dealer or sales office.

Note: If the default user name and password of maintenance user and building manager were changed, the changed user name and the password will remain active after the controller is updated to a newer version.
Also, if you import the backup data of the changed settings to another AE-200/AE-50, the changed user name and the password will remain active.

AE-200E/AE-50E (All versions)

| User | Default user name | Default password |
|---|---|---|
| Maintenance user | initial | init |
| Building manager | administrator | admin |

AE-200A/AE-50A (Ver. 7.97 and earlier)

| User | Default user name | Default password |
|---|---|---|
| Maintenance user | initial | init |
| Building manager | administrator | admin |

AE-200A/AE-50A (Ver. 7.98 and later)

| User | Default user name | Default password[1][2] | Example default password (Serial number: 19672-123[3]) |
|---|---|---|---|
| Maintenance user | initial | in “Serial number” | in19672123 |
| Building manager | administrator | ad “Serial number” | ad19672123 |

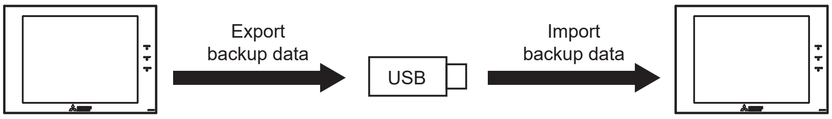
*1 Default password for AE-200A/AE-50A updated to Ver. 7.98 or later from Ver. 7.97 or earlier
The default password varies with the version immediately before the update.
Default password for AE-200A/AE-50A when updated from a version earlier than Ver. 7.98

| Version before the update | User | Default user name | Default password after the system has been updated to Ver. 7.98 or later |
|---|---|---|---|
| Ver. 7.10–7.12 | Maintenance user | initial | in “Serial number” |
| | Building manager | administrator | ad “Serial number” |
| Ver. 7.23–7.97 | Maintenance user | initial | init |
| | Building manager | administrator | admin |

*2 Default password for AE-200A/AE-50A to which the backup data from Ver. 7.98 or later was imported
If the settings data are backed up from the AE-200A/AE-50A that was logged in with the default password and are imported to the AE-200A/AE-50A Ver. 7.98 or later, the new password will be the serial number of the AE-200A/AE-50A to which the data was imported.

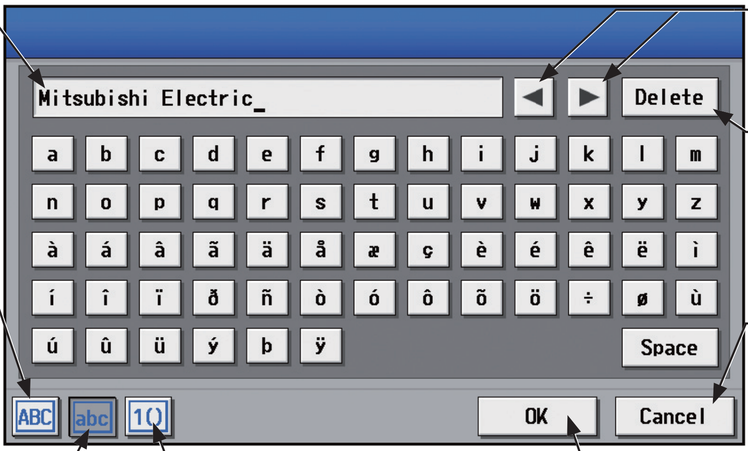
AE-200A/AE-50A
Software version: 7.98
Serial number: 31C71-101
Password of building manager: ad31C71101

AE-200A/AE-50A
Software version: 7.98
Serial number: 19272-124
Password of building manager: ad19272124



*3 Serial number can be found on the login window of the LCD.

## [1] Keyboard screen



Mitsubishi Electric_

Delete
a b c d e f g h i j k l m
n o p q r s t u v w x y z
à á â ã ä å æ ç è é ê ë ì
í î ï ð ñ ò ó ô õ ö ÷ ø ù
ú û ü ý þ ÿ
Space
ABC abc 1()
OK Cancel

The entered characters will appear here.

Touch to display the keyboard for entering capital alphabetic characters.

Touch to display the keyboard for entering lower-case alphabetic characters.

Touch to display the keyboard for entering numeric characters and symbols.

**Arrow**
Touch to move the cursor.

**Delete**
Touch to delete one character to the left of the cursor.

**Cancel**
Touch to undo the changes made and return to the previous screen.

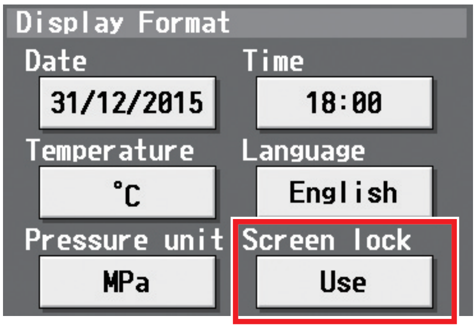
**OK**
Touch to save the entered characters and return to the previous screen.

## 5-2-2. Locking the screen

Locking the screen prevents unauthorized users from accessing.

(1) To activate the screen lock function, set the [Screen lock] setting to [Use] on the [Unit Info.] screen under the [Initial Settings] menu.
If the screen lock function is activated, the screen locks when the backlight turns off (after three minutes of not touching the screen).

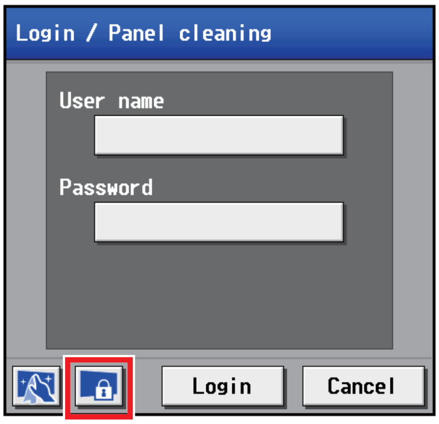
Note: The default setting is [Do not use].
Note: The screen lock function will not be activated when any screen under the [Initial Settings] menu is open.



Display Format

Date: 31/12/2015
Time: 18:00
Temperature: °C
Language: English
Pressure unit: MPa
Screen lock: Use

(2) Touch [ 🔒 ] on the login screen to lock the screen immediately.
To unlock the screen, enter the same user name and password used to log in.



## 5-2-3. Date and time

Touch [Initial Settings] in the menu bar, and then touch [Date and time].

Set the current date and time, and then touch [Save Settings].

Note: The date and time settings may not be accessible if logged in as a building manager.

Note: The date and time settings made on this screen will be reflected on all the units in the M-NET system, all connected AE-50/EW-50 units, and the AE-200 units whose [Time Master/Sub] setting is set to [Sub].

Note: The date and time cannot be set on this screen if the [Time Master/Sub] setting is set to [Sub].

Note: The daylight saving time setting is required only on the AE-200.

Note: The date and time settings made on the AE-50/EW-50 unit whose [Time Master/Sub] setting is set to [Sub] will not be sent to the other AE-50/EW-50 units.

Note: If the current time is moved forward while the scheduled operation is performed, the operation that was scheduled to take place during the time that was skipped will not be performed.

Note: Changing the date and/or time when the charging function is in use can affect the calculation of the charges.

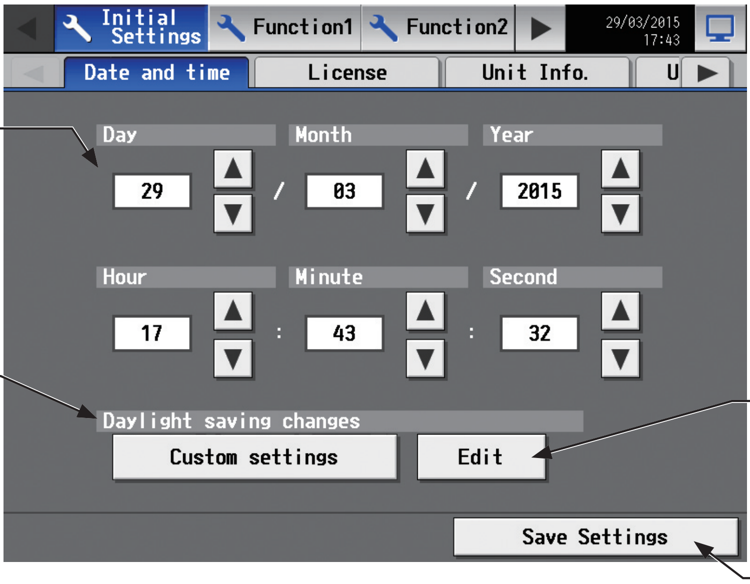
Note: If the system is connected to a TG-2000A, make or change the settings from the TG-2000A.

Note: When AE-50/EW-50 controller, DIDO controller (PAC-YG66DCA), AI controller (PAC-YG63MCA), or PI controller (PAC-YG60MCA) is added to the system, set the current date and time on this screen to synchronize the date and time on the added controller.

Note: Although date and time settings can be made on each AE-50/EW-50, the date and time synchronization from AE-200 is performed once a day. Make the date and time settings on the AE-50/EW-50 only after the AE-50/EW-50 is replaced.

**Important**

- When one or more AE-50/EW-50 controllers are connected, the date and time settings must be made with the AE-50/EW-50 properly connected to ensure proper settings.



Day 29 / Month 03 / Year 2015

Hour 17 : Minute 43 : Second 32

**Current date and time**
Set the current date and time.

**Daylight saving time**
Touch to set the country to automatically adjust the daylight saving time.

**Edit**
Touch to manually configure the daylight saving time setting.

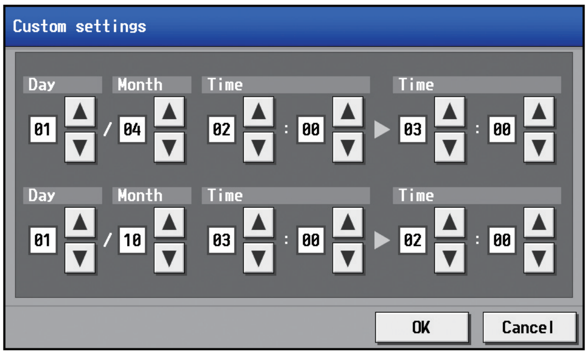
**Save Settings**
Touch to save the changes made.

(1) Set the current date and time.

(2) To automatically adjust the daylight saving time, touch the “Daylight saving time” button. Touch the applicable country, and then touch [OK].

Note: When not using the daylight saving time function, touch “----.”

Note: If the applicable country is not found, touch [Custom settings] at the bottom, and touch [OK]. Then, touch [Edit] to open the screen below, and manually configure the daylight saving time setting.

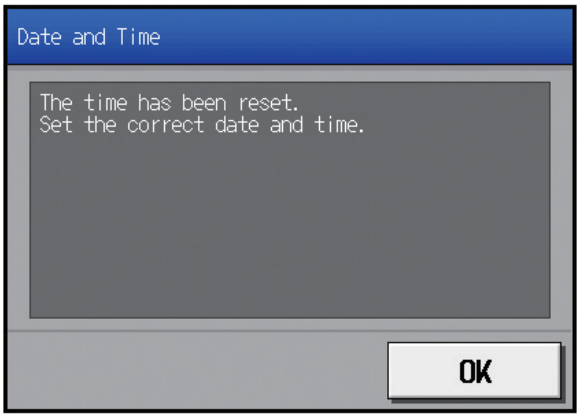


Day 01 / Month 04 Time 02 : 00 ▶ Time 03 : 00

Day 01 / Month 10 Time 03 : 00 ▶ Time 02 : 00

**Note**

- Message that will appear when the date and time have been reset
  If the power supply is cut off for a long time due to power failure or other reasons, the date and time will be reset, and the following popup message will appear when the power is turned on next. If this message appears, set the date and time again.



The time has been reset.
Set the correct date and time.

* This message will appear periodically until the date and time setting is made.

* If the controller is used without the date and time being set, the Schedule function or the Night Setback Control will not work properly.

* If the [Time Master/Sub] setting for the given controller is set to [Sub], temporarily change the setting to [Master], set the current date and time, and then set the setting back to [Sub].

## 5-2-4. License registration for optional functions

Touch [Initial Settings] in the menu bar, and then touch [License].

Please ask your dealer for more details on the optional functions and how to purchase a license number.

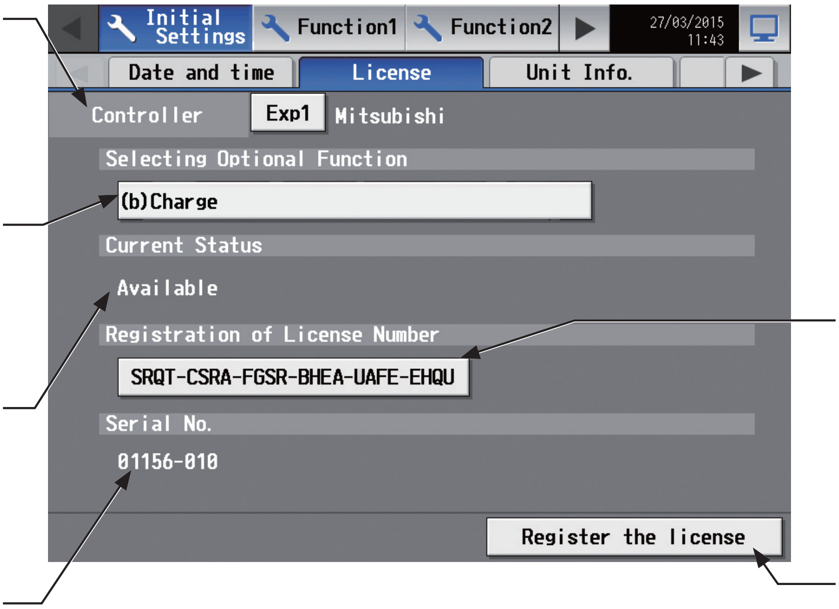
Note: The current date and time settings are required for license registration. Refer to section 5-2-3 “Date and time” for date and time settings.

Note: The license registration is required for each AE-200/AE-50/EW-50.

Note: The [Controller] setting will appear (only on the AE-200’s LCD) when the [System Exp] setting on the [Unit Info.] screen is set to [Expand]. Switch the [Controller] setting between [AE200] and [Exp1] through [Exp4] to register licenses for each AE-200, AE-50, and EW-50 individually.

**Important**

- When one or more AE-50/EW-50 controllers are connected, licenses for the AE-50/EW-50 must be registered with the AE-50/EW-50 properly connected to ensure proper settings.



Controller: Exp1 Mitsubishi

Selecting Optional Function: (b)Charge

Current Status: Available

Registration of License Number: SRQT-CSRA-FGSR-BHEA-UAFE-EHQU

Serial No.: 01156-010

**Controller**
Select [AE] to register licenses for AE-200, and select [1], [2], [3], or [4] to register licenses for each AE-50/EW-50.

**Selecting Optional Function**
Select the optional function to be registered.

**Current status**
This indicates whether the optional function is available for use.

**Serial No.**

**License number entry field**

**Register the license**
Touch to register the license.

(1) In the [Selecting Optional Function] section, select the optional function to be registered. The current availability will appear in the [Current Status] section.

(2) In the “License number entry field” button, enter the license number and touch [Register the license].
In the [Current Status] section, a word [Available] will appear.
If the registration is unsuccessful, verify that the selected optional function and the license number are correct.
Note: Alphabet “O” and “I” are not used for license number.

## 5-2-5. Unit Information

Touch [Initial Settings] in the menu bar, and then touch [Unit Info.] or [Unit Info. 2].

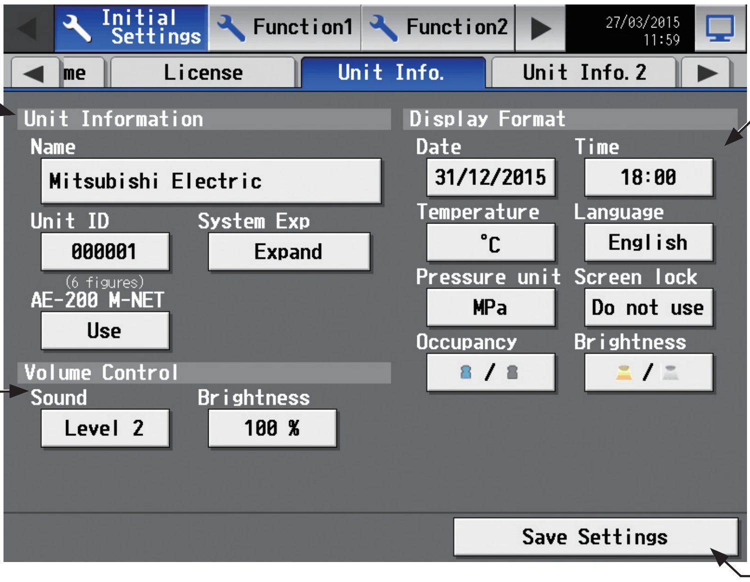
Make necessary basic system settings such as unit settings, display format, sound/brightness settings, use or non-use of test run, and display or non-display of room temperature/humidity, and then touch [Save Settings].

Note: The Unit Information settings may not be accessible if logged in as a building manager.

Unit Info.

**Unit Information**
Set the unit name and unit ID.

**Sound and brightness**
Set the sound and brightness levels.



Initial Settings
Function1
Function2
27/03/2015
11:59
me
License
Unit Info.
Unit Info. 2
Save Settings

Unit Information
Name: Mitsubishi Electric
Unit ID: 000001 (6 figures)
System Exp: Expand
AE-200 M-NET: Use

Volume Control
Sound: Level 2
Brightness: 100 %

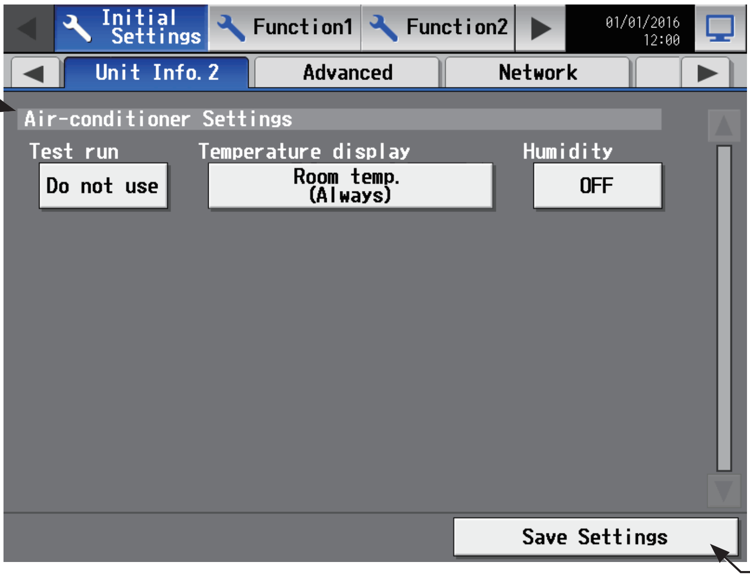
Display Format
Date: 31/12/2015
Time: 18:00
Temperature: °C
Language: English
Pressure unit: MPa
Screen lock: Do not use
Occupancy: ● / ●
Brightness: ● / ●

**Display Format**
Set the screen display items.

**Save Settings**
Touch to save the changes made.

Unit Info. 2

**Air-conditioner Settings**
Set the test run setting and display option of room temperature/humidity.



Initial Settings
Function1
Function2
01/01/2016
12:00
Unit Info. 2
Advanced
Network
Save Settings

Air-conditioner Settings
Test run: Do not use
Temperature display: Room temp. (Always)
Humidity: OFF

**Save Settings**
Touch to save the changes made.

### [1] Unit Information

Follow the instructions below to set the unit name, unit ID, and System Expansion setting.

(1) Touch the [Name] button to display the keyboard. Enter the unit name in 40 alphanumeric or symbol characters or less. The name entered here will be used on the screen of the software that controls multiple AE-200 units and will also be used as a sender name in the error notification e-mail and e-mail alarm.

Note: The following characters cannot be used: <, >, &, “, or ‘

(2) Touch the [Unit ID] button to display the keyboard. Enter the unit ID in 6 figures. Use this setting to manage the multiple unit IDs. The unit ID entered here will be used on the screen of the software that controls multiple AE-200 units and will also be used as a sender ID in the error notification e-mail and e-mail alarm.

(3) When connecting one or more AE-50/EW-50 controllers, set the [System Exp] setting to [Expand].

Note: The [System Exp] section does not appear on this screen on the AE-50.

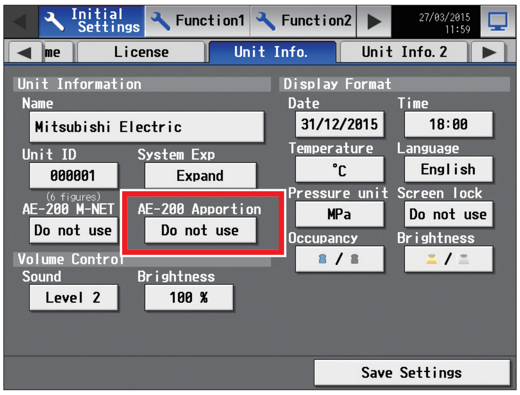
Note: When the [System Exp] setting is set to [Expand], make sure to make network settings for the AE-50/EW-50 controllers on the [Network] screen. (Refer to section 5-2-6 "Network" for details.)

(4) When using an AE-200 apportioned electricity billing function or when not using an AE-200 M-NET, set the [AE-200 M-NET] setting to [Do not use].

Note: When [Do not use] is selected, up to four AE-50/EW-50 controllers can be connected.

Note: The [AE-200 M-NET] section does not appear on this screen on the AE-50.

Note: The [AE-200 Apportion] section appears when "Charge" license is registered. To use an electricity charge apportioning function of TG-2000A, set the [AE-200 Apportion] setting to [Do not use].



Name: Mitsubishi Electric
Unit ID: 000001 (6 figures)
System Exp: Expand
AE-200 M-NET: Do not use
AE-200 Apportion: Do not use
Sound: Level 2
Brightness: 100 %
Date: 31/12/2015
Time: 18:00
Temperature: °C
Language: English
Pressure unit: MPa
Screen lock: Do not use
Occupancy: 👤 / 👤
Brightness: 👤 / 👤

## [2] Sound and brightness

(1) In the [Sound] section, select the volume (Level 0–3) of the buzzer that sounds when the screen is touched. (Level 0: No sound)

Note: Although the change will be reflected right away, it will not be saved until [Save Settings] is touched.

(2) In the [Brightness] section, select the brightness (70%, 80%, 90%, 100%) of the screen. (The greater the value, the brighter the brightness.)

Note: Although the change will be reflected right away, it will not be saved until [Save Settings] is touched.

## [3] Display Format

(1) In the [Date] section, select the desired display format for year, month, and date.

(2) In the [Time] section, select the desired display of time format.

(3) In the [Temperature] section, select the desired temperature unit [ºC] or [ºF].

(4) In the [Language] section, select the desired display language.

(5) In the [Pressure unit] section, select [MPa], [PSI], or [kgf/cm$^2$].

(6) In the [Screen lock] section, select [Use] or [Do not use]. Select [Use] to activate the screen lock function. (Refer to section 5-2-2 "Locking the screen" for details.)

(7) In the [Occupancy] section, make the Show/Hide setting for the occupancy/vacancy status that is detected by the built-in occupancy sensor on the ME remote controller (North America: PAR-U01MEDU, Europe: PAR-U02MEDA).
Select [Hide] not to display the occupancy/vacancy status on the [Floor] or [Block] display.
Select [ 👤 ] (blue) to display the occupancy icon when the sensor on the remote controller detects occupancy.
Select [ 👤 ] (gray) to display the vacancy icon when the sensor on the remote controller detects vacancy.
Select [ 👤 / 👤 ] (blue/gray) to display the occupancy or vacancy icon according to the occupancy status of the room.

Note: If the ME remote controller has no built-in occupancy sensor, the occupancy/vacancy icons will not be displayed on the [Floor] or [Block] display.

(8) In the [Brightness] section, make the Show/Hide setting for the brightness/darkness status that is detected by the built-in brightness sensor on the ME remote controller (North America: PAR-U01MEDU, Europe: PAR-U02MEDA).
Select [Hide] not to display the brightness/darkness icons on the [Floor] or [Block] display.
Select [ ] (yellow) to display the brightness icon when the brightness level in the room reaches the predetermined brightness level.
Select [ ] (gray) to display the darkness icon when the darkness level in the room reaches the predetermined darkness level.
Select [ / ] (yellow/gray) to display the brightness or darkness icon according to the brightness/darkness level of the room.

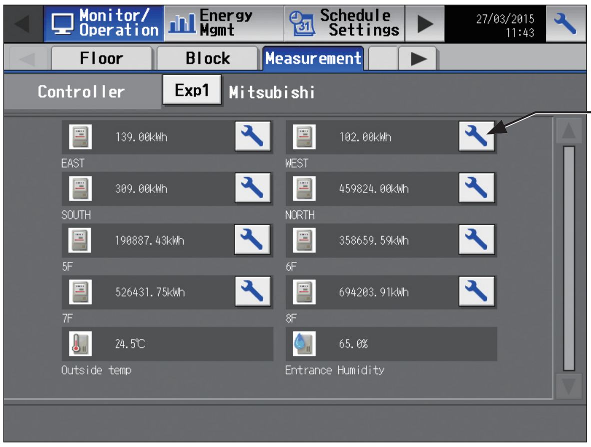
Note: If the ME remote controller has no built-in brightness sensor, the brightness/darkness icons will not be displayed on the [Floor] or [Block] display.

Note: The brightness/darkness detection thresholds are set on the ME remote controller (North America: PAR-U01MEDU, Europe: PAR-U02MEDA)

## [4] Air-conditioner Settings

(1) In the [Test run] section, select [Use] or [Do not use]. Select [Use] when performing a test run from the operation settings screen, or when editing the electricity meter reading value on the [Measurement] display.

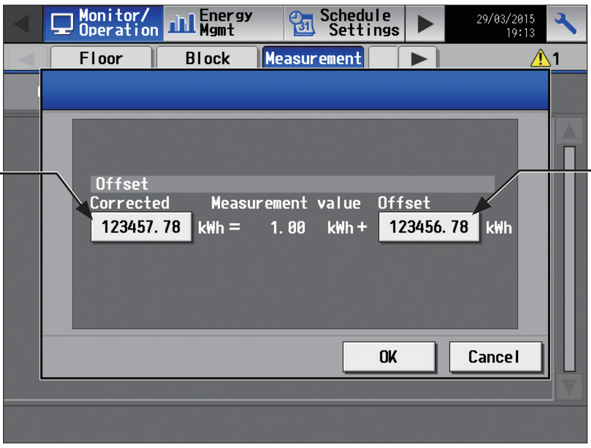
Editing measurement values



139.00kWh
EAST
102.00kWh
WEST
309.00kWh
SOUTH
459824.00kWh
NORTH
190887.43kWh
5F
358659.59kWh
6F
526431.75kWh
7F
694203.91kWh
8F
24.5℃
Outside temp
65.0%
Entrance Humidity

Measurement value edit

1. Touch the “Measurement value edit” button to open the screen below.
Note: The “Measurement value edit” button will appear only when the [Test run] setting is set to [Use].



Offset
Corrected Measurement value Offset
123457.78 kWh = 1.00 kWh + 123456.78 kWh

**Edit the adjusted measurement value**

**Edit the offset value**

2. Touch the “Edit the adjusted measurement value” button. Enter the current electricity meter reading value, and then touch [OK].
Note: Set the setting back to [Do not use] after completing a test run.
Note: The setting will go back to [Do not use] when the time on the AE-200/AE-50 reaches 0: 00 in the morning.
Note: Only the electric energy values on the [Measurement] display will change. This setting will not affect the energy-control-related screens.
Note: To reset the adjusted measurement value to the original cumulative value, touch the “Edit the offset value” button and set to “0”.

(2) In the [Temperature display] section, select the desired display option for the room temperature or the set temperature to be used on the [Floor] or [Block] display.
Select [Room temp. (Always)] to display the room temperature at all times, [Room temp. (During operation)] to display the room temperature only during operation, [Set temp.] to display the set temperature at all times, [Room temp.(Always)/Set temp.] to display both the room temperature and set temperature at all times, [Room temp.(During op.)/Set temp.] to display the room temperature only during operation and to display the set temperature at all times, and [Hide] not to display the room temperature or the set temperature.

Note: This setting is effective only on the LCD and will not be reflected to the Integrated Centralized Control Web.

Note: The room temperature shown may be higher than the actual temperature especially when the unit is stopped during the Heat mode. Therefore, selecting [Room temp. (During operation)] is recommended when displaying the room temperature.

(3) In the [Humidity] section, make the Show/Hide setting for the humidity reading of the built-in humidity sensor on the ME remote controller (North America: PAR-U01MEDU, Europe: PAR-U02MEDA).
Select [ON] to display the humidity reading on the [Floor] or [Block] display.

## 5-2-6. Network

Touch [Initial Settings] in the menu bar, and then touch [Network].

Make necessary basic system settings such as LAN settings, M-NET settings, and external input settings for each AE-200, AE-50, and EW-50, and then touch [Save Settings]. A message will appear asking whether or not to restart the controller. Touch [OK] to restart the AE-200/AE-50 to reflect the changes.

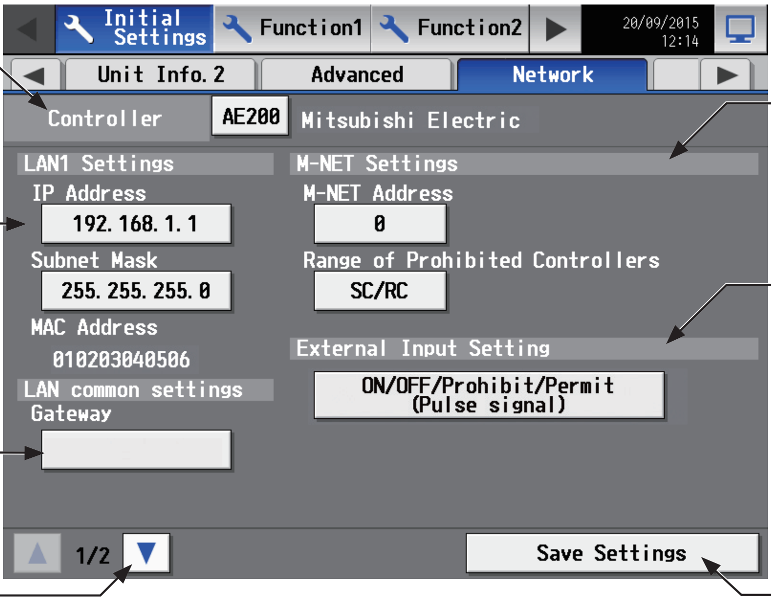
Note: The Network settings may not be accessible if logged in as a building manager.

Note: The [Controller] setting will appear (only on the AE-200's LCD) when the [System Exp] setting on the [Unit Info.] screen is set to [Expand]. Switch the [Controller] setting between [AE200] and [Exp1] through [Exp4] to make settings for each AE-200, AE-50, and EW-50 individually.

**Important**

- Network settings for the AE-50/EW-50 must be made with the AE-50/EW-50 properly connected to ensure proper settings. Those settings made without the connection of AE-50/EW-50 will not be reflected.

1st page



Controller AE200 Mitsubishi Electric

LAN1 Settings

IP Address: 192.168.1.1

Subnet Mask: 255.255.255.0

MAC Address: 010203040506

LAN common settings

Gateway:

M-NET Settings

M-NET Address: 0

Range of Prohibited Controllers: SC/RC

External Input Setting: ON/OFF/Prohibit/Permit (Pulse signal)

**Controller**
Select [AE] to make settings for AE-200, and select [1], [2], [3], or [4] to make settings for each AE-50/EW-50.

**LAN1 Settings**
Set the IP address and subnet mask.

**LAN common settings**
Set the gateway address.

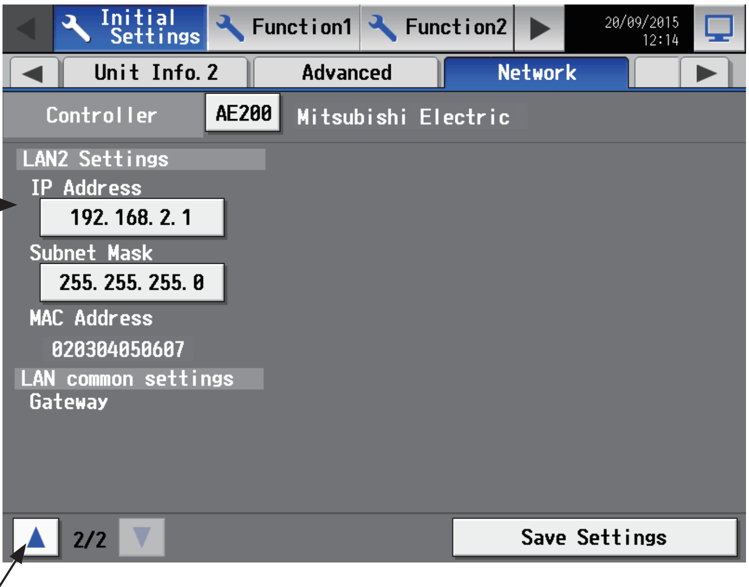
Touch to go to the next page.

**M-NET Settings**
Set the M-NET address and range of prohibited controllers.

**External Input Setting**
Set the external signal input mode.

**Save Settings**
Touch to save the changes made.

2nd page



Controller AE200 Mitsubishi Electric

LAN2 Settings

IP Address: 192.168.2.1

Subnet Mask: 255.255.255.0

MAC Address: 020304050607

LAN common settings

Gateway

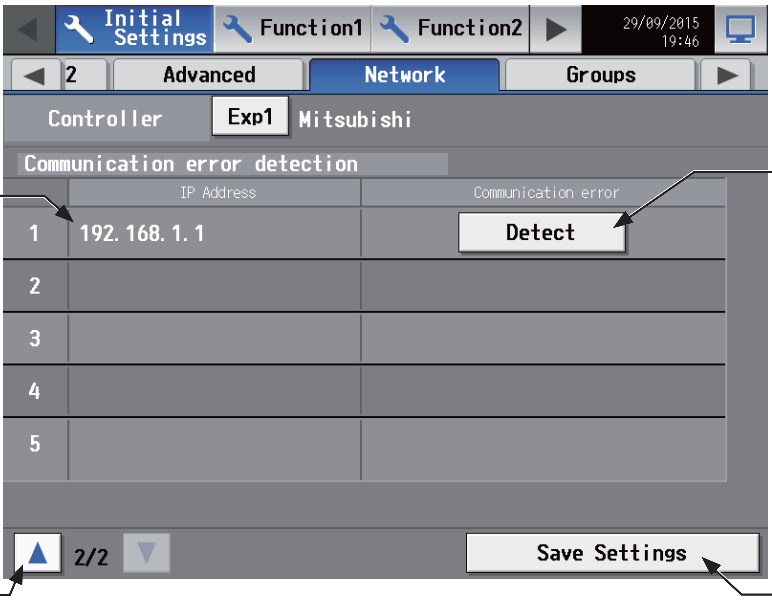
**LAN2 Settings**
(Used for BACnet® function only).

Touch to go to the previous page.

* BACnet® is a registered trademark of ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers, INC.).

Only when an AE-50/EW-50 is connected

By using a communication error detection function, communication errors between AE-200/AE-50/EW-50 can be displayed on the AE-50's LCD via AE-200.



Controller: Exp1 Mitsubishi

Communication error detection

| | IP Address | Communication error |
|---|---|---|
| 1 | 192.168.1.1 | Detect |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |

**IP address of AE-200**

**Detect communication error**
Select whether "Detect" or "Do not detect" communication error for each IP address.

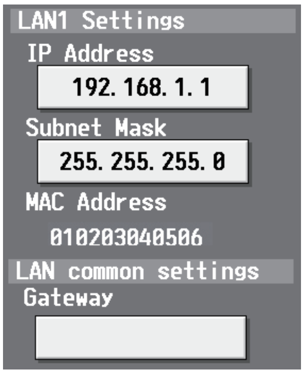
Touch to go to the previous page.

**Save Settings**
Touch to save the changes made.

Note: A communication error "6920" will be detected by the AE-50/EW-50 when the AE-200's IP address is changed with the AE-50/EW-50 connected. In the [Communication error detection] section in the [Network] screen, change the communication error detection setting for the previous IP address from "Detect" to "Do not detect."

## [1] LAN1 Settings

LAN1 settings vary depending on whether the AE-200/AE-50 is connected to a dedicated LAN or an existing LAN. See the sections below for how to set the AE-200/AE-50 IP addresses, subnet mask, and gateway addresses. Before making the settings, make sure that the LAN is connected to LAN1 port.


LAN1 Settings

IP Address: 192.168.1.1

Subnet Mask: 255.255.255.0

MAC Address: 010203040506

LAN common settings

Gateway:

### (1) LAN1 settings for connecting the AE-200/AE-50/EW-50 to a dedicated LAN

Settings for an AE-200

Note: See the procedures below when making LAN1 settings on the AE-50.

(1) Make sure that [AE200] is selected in the [Controller] section.

(2) Enter the AE-200's IP address in the [IP Address] field. If the LAN has been newly set up, allocate IP addresses to the AE-200 units in a sequential order starting with [192.168.1.1]. For example, the first AE-200 unit will have an IP address of [192.168.1.1], the second AE-200 unit will have an IP address of [192.168.1.2] and so on. (The same IP addresses cannot be used.)
Allocate IP addresses to the AE-50/EW-50 units in a sequential order starting with [192.168.1.211].

Note: The recommended IP address ranges are as follows.
AE-200: Between [192.168.1.1] and [192.168.1.40]
AE-50/EW-50: Between [192.168.1.211] and [192.168.1.249]
PC: Between [192.168.1.101] and [192.168.1.150]
Note: After the AE-200 IP address is changed, the AE-50/EW-50 power will be reset.

(3) Enter [255.255.255.0] in the [Subnet Mask] field (only when the IP address is [192.168.1.*]).

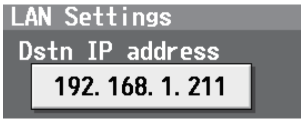
Note: If [255.255.255.0] is entered, set the IP addresses of all AE-50 units to [192.168.1.*].

(4) When monitoring the system remotely or using e-mail function via a dial-up router, enter the router IP address in the [Gateway] field.
Leave the [Gateway] field blank when not connecting a dial-up router.
[192.168.1.254] is recommended for use as the IP address of the dial-up router. Refer to the dial-up router instruction manual for details of how to set the IP address.

Note: [192.168.1.254] is recommended for use as the IP address of the dial-up router. Refer to the dial-up router instruction manual for details of how to set the IP address.

Note: The use of a dial-up router with no modem requires a modem (for analog or ISDN) to be connected between the router and the public phone line.

Settings for when connecting one or more AE-50/EW-50 controllers



LAN Settings
Dstn IP address
192.168.1.211

(1) Select [1], [2], [3], or [4] in the [Controller] section to make settings for each AE-50/EW-50.

(2) Enter the IP address of the AE-50/EW-50 that is connected to the AE-200 in the [Dstn IP address] field.
A message that indicates that the connection information of the AE-50/EW-50 is being collected will appear for a few minutes.

Note: AE-50/EW-50 will not operate properly and the AE-50/EW-50 software version will not appear if the entered address does not match the ones that have been set on the AE-50/EW-50.

### (2) LAN1 settings for connecting the AE-200/AE-50 to an existing LAN

(1) When connecting the AE-200/AE-50 to an existing LAN, consult the system administrator to decide the IP addresses, subnet mask, and gateway addresses.

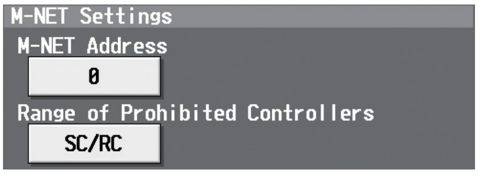
## [2] LAN2 Settings

LAN2 is used only for BACnet® function. Do not use LAN2 for other functions.
For how to make BACnet® function settings, refer to the Instruction Book (BACnet® function).

Note: IP addresses of LAN1 and LAN2 must not duplicate.

## [3] M-NET Settings

Note: Make the M-NET settings only on the AE-200.



M-NET Settings
M-NET Address
0
Range of Prohibited Controllers
SC/RC

(1) Switch the [Controller] setting between [AE200] and [Exp1] through [Exp4] to make settings for each AE-200, AE-50, and EW-50 individually.

(2) Enter [0] in the [M-NET Address] field (unless otherwise specified).

(3) Select [SC/RC] to prohibit the operation from both the sub system controllers and the remote controllers.
Select [RC Only] to prohibit the operation only from the remote controllers.

## 5-2-7. Groups

Touch [Initial Settings] in the menu bar, and then touch [Groups].

Register the groups of air conditioning units to be connected to the AE-200/AE-50/EW-50, and then touch [Save Settings].

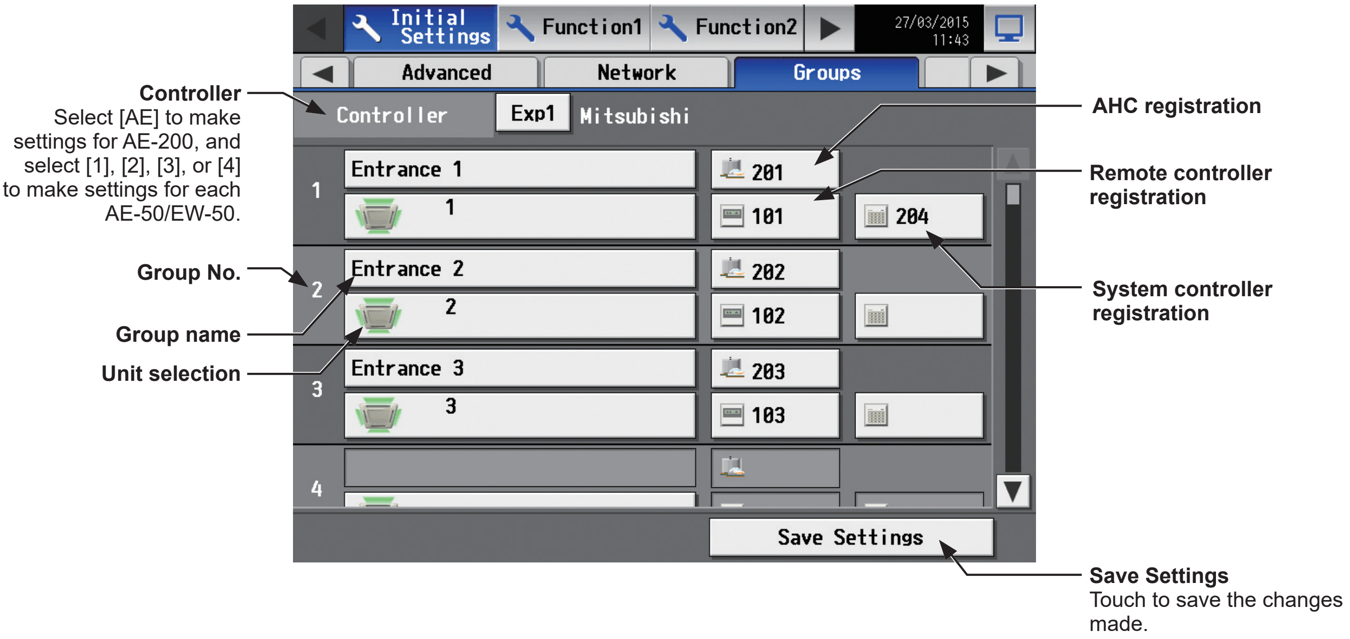
Note: Some settings may not be accessible if logged in as a building manager.

Note: If the system is connected to a TG-2000A, make or change the settings from the TG-2000A.

Note: The [Controller] setting will appear (only on the AE-200's LCD) when the [System Exp] setting on the [Unit Info.] screen is set to [Expand]. Switch the [Controller] setting between [AE200] and [Exp1] through [Exp4] to make settings for each AE-200, AE-50, and EW-50 individually.

**Important**

- Group settings for the AE-50/EW-50 must be made with the AE-50/EW-50 properly connected to ensure proper settings. Those settings made without the connection of AE-50/EW-50 will not be reflected.
- The units connected to AE-200 cannot be grouped together with the units connected to AE-50/EW-50.


Initial Settings
Function1
Function2
27/03/2015 11:43
Advanced
Network
Groups
Controller
Exp1
Mitsubishi
1
Entrance 1
1
201
101
204
2
Entrance 2
2
202
102
3
Entrance 3
3
203
103
4
Save Settings

**Controller**
Select [AE] to make settings for AE-200, and select [1], [2], [3], or [4] to make settings for each AE-50/EW-50.

**Group No.**

**Group name**

**Unit selection**

**AHC registration**

**Remote controller registration**

**System controller registration**

**Save Settings**
Touch to save the changes made.

### [1] Setting group names

(1) Touch the "Group name" button to display the keyboard. Enter the group name in 20 alphanumeric or symbol characters or less.

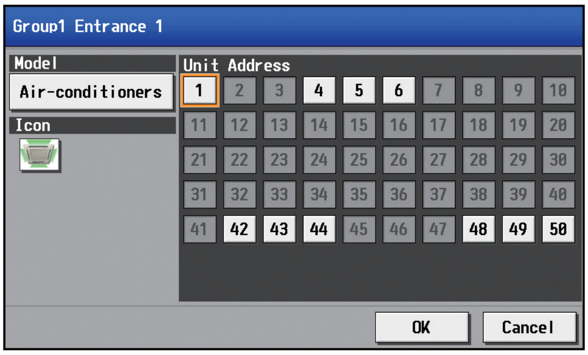
Note: The following characters cannot be used: <, >, &, ", or '

## [2] Registering air conditioners to a group

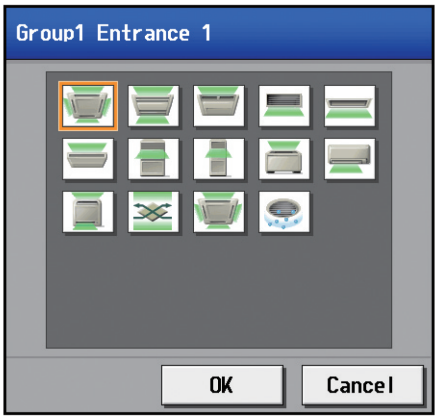
(1) To register air conditioners to each group, touch the “Unit selection” button under the target group name. A screen to select the units will appear.

Select the group type in the [Model] section, and select the address numbers of the units to be registered.
The selected unit addresses will appear with an orange frame. Touch again to deselect.

Note: Each group can contain up to 16 air conditioners.
Note: The addresses of the units that have been registered to other groups will appear with a gray background and cannot be selected.
Note: Units other than outlet air temperature control units cannot be combined with outlet air temperature control units in one group.


Group1 Entrance 1
Model
Air-conditioners
Icon
Unit Address
1 2 3 4 5 6 7 8 9 10
11 12 13 14 15 16 17 18 19 20
21 22 23 24 25 26 27 28 29 30
31 32 33 34 35 36 37 38 39 40
41 42 43 44 45 46 47 48 49 50
OK
Cancel

(2) To change the unit icon to be used, touch the icon. A screen to select an icon will appear. Select an icon to be used, and touch [OK].


Group1 Entrance 1
OK
Cancel

## 5-2-8. Blocks

By making block settings, multiple groups in a given block can be collectively monitored or operated.

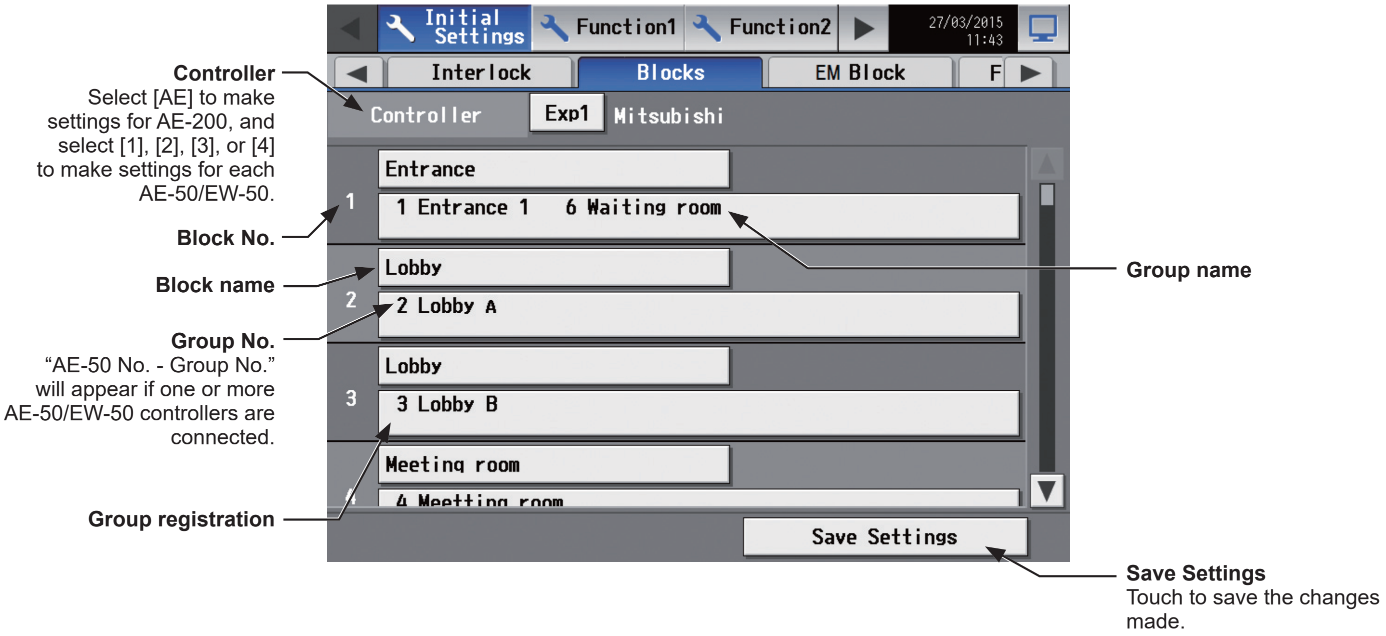
Touch [Initial Settings] in the menu bar, and then touch [Blocks]. Register the groups to each block, and then touch [Save Settings].

Note: Some settings may not be accessible if logged in as a building manager.

Note: If the system is connected to a TG-2000A, make or change the settings from the TG-2000A.

Note: The [Controller] setting will appear (only on the AE-200's LCD) when the [System Exp] setting on the [Unit Info.] screen is set to [Expand]. Switch the [Controller] setting between [AE200] and [Exp1] through [Exp4] to make settings for each AE-200, AE-50, and EW-50 individually.

> **Important**
>
> - Block settings for the AE-50/EW-50 must be made with the AE-50/EW-50 properly connected to ensure proper settings. Those settings made without the connection of AE-50/EW-50 will not be reflected.


Initial Settings
Function1
Function2
27/03/2015
11:43
Interlock
Blocks
EM Block
F
Controller
Exp1
Mitsubishi
Entrance
1
1 Entrance 1
6 Waiting room
Lobby
2
2 Lobby A
Lobby
3
3 Lobby B
Meeting room
4
4 Meetting room
Save Settings

**Controller**
Select [AE] to make settings for AE-200, and select [1], [2], [3], or [4] to make settings for each AE-50/EW-50.

**Block No.**

**Block name**

**Group No.**
"AE-50 No. - Group No." will appear if one or more AE-50/EW-50 controllers are connected.

**Group registration**

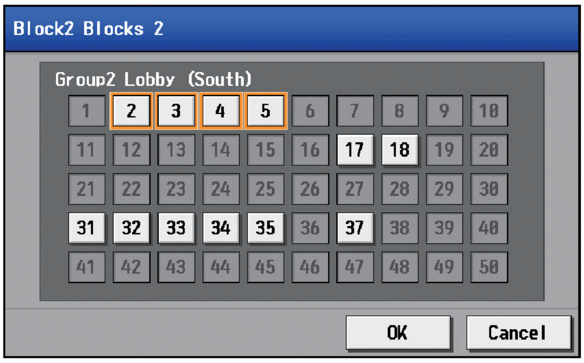
**Group name**

**Save Settings**
Touch to save the changes made.

(1) Touch the "Block name" button to display the keyboard. Enter the group name in 20 alphanumeric or symbol characters or less.

Note: The following characters cannot be used: <, >, &, ", or '

(2) Touch the "Group registration" button of the target block. A screen to select the groups will appear.
Touch the group numbers to be registered. (The name of the group that was touched last will appear.)
The selected group numbers will appear with an orange frame. Touch again to deselect.


Block2 Blocks 2
Group2 Lobby (South)
1 2 3 4 5 6 7 8 9 10
11 12 13 14 15 16 17 18 19 20
21 22 23 24 25 26 27 28 29 30
31 32 33 34 35 36 37 38 39 40
41 42 43 44 45 46 47 48 49 50
OK
Cancel

## 5-2-9. Floor Layout

The floor layout on the [Floor] display under the [Monitor/Operation] menu can be changed, and the display position of the groups on the floor can be changed.

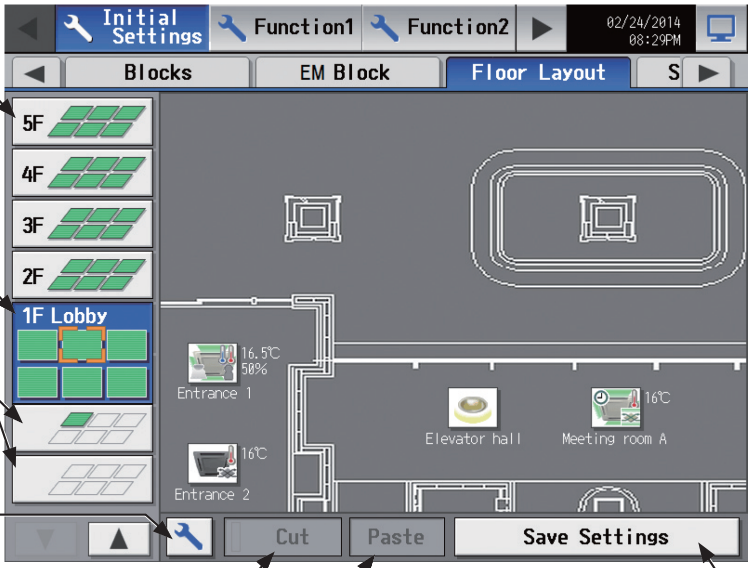
Touch [Initial Settings] in the menu bar, and then touch [Floor Layout]. All unit groups that are under the control of both AE-200 and AE-50 can be displayed on the Floor Layout screen of the AE-200.

Note: Some settings may not be accessible if logged in as a building manager.

Note: Up to 30 groups can be assigned to each area.

**Important**

- Although the Floor Layout settings can also be made on the AE-50's LCD, only the unit groups that are under the control of AE-50 controllers can be set on the AE-50's LCD.
- Floor Layout cannot be used on the EW-50 Web browser.


Initial Settings
Function1
Function2
02/24/2014
08:29PM
Blocks
EM Block
Floor Layout
S
5F
4F
3F
2F
1F Lobby
16.5℃
50%
Entrance 1
Elevator hall
16℃
Meeting room A
16℃
Entrance 2
Cut
Paste
Save Settings

**Floor selection**

**Area selection**

**Unassigned groups**
Touch to display the groups that have not been assigned to an area.

**Basic floor settings**

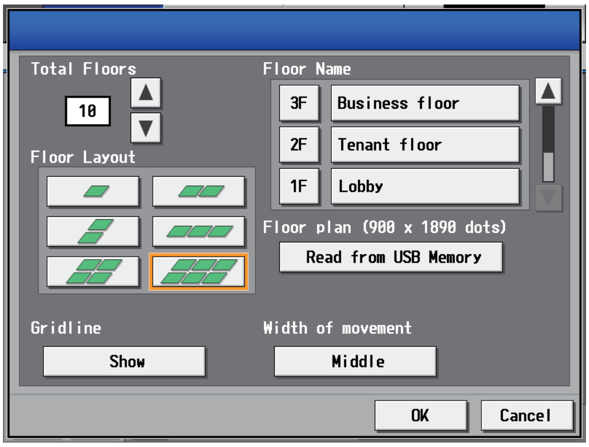
**Cut**

**Paste**

**Save Settings**
Touch to save the changes made.

### [1] Basic floor settings

(1) Touch the "Basic floor settings" button to display the basic floor settings screen.


OK
Cancel
Read from USB Memory

Total Floors 10

Floor Layout

Floor Name
3F Business floor
2F Tenant floor
1F Lobby

Floor plan (900 x 1080 dots)

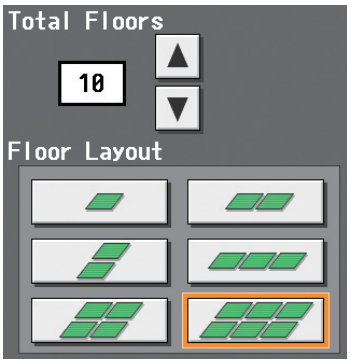
Gridline Show

Width of movement Middle

(2) Touch ▲ ▼ to set the total number of floors, and select the floor layout to be used.

Note: If the total number of floors is set to "--," none of the floor layouts can be selected.

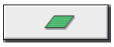
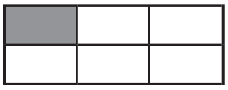
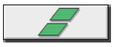
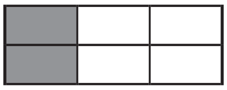
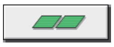
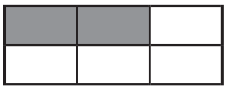
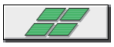
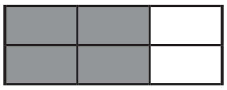
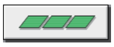
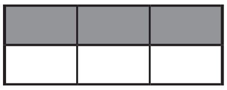
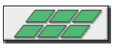
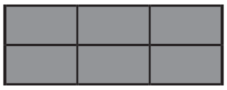
Note: Up to floors can be registerted.



Total Floors 10

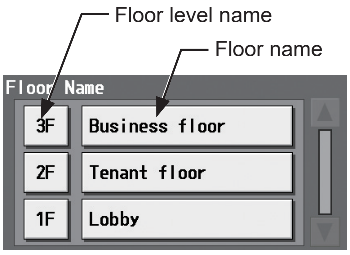
Floor Layout

The display range of the area on the [Floor Layout] screen vary, depending on the selected floor layout.

| Floor layout | Display area | Floor layout | Display area |
|---|---|---|---|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

(3) Touch the “Floor level name” button to display the keyboard. Enter the floor level name in 3 alphanumeric or symbol characters or less.

Then, touch the “Floor name” button to display the keyboard. Enter the floor name in 20 alphanumeric or symbol characters or less.



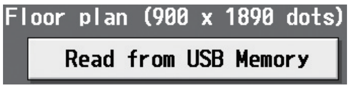
Floor Name

3F Business floor

2F Tenant floor

1F Lobby

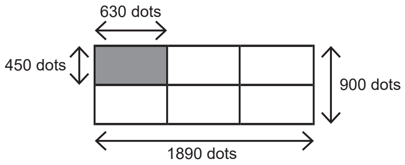
(4) To read floor plan files from the USB memory, touch [Read from USB Memory]. Refer to [2] below for the restrictions on the floor plan files to be read.



Floor plan (900 x 1890 dots)

Read from USB Memory

## [2] Restrictions on the floor plan files to be read

| | |
|---|---|
| File size | 900 (height) × 1890 (width) dots for each floor plan<br>Note: The file size must be 900 (height) × 1890 (width) dots regardless of the display range of the area. (Even when the floor layout shows only one display area, the file size must be 900 (height) × 1890 (width) dots. In this case, create a file plan only in the left top area.)<br><br> |
| File format | GIF<br>Note: Files that contain extension data (metadata such as XMP, transparent GIF, interlace GIF, animated GIF) cannot be read. |
| File name | (see table below) |
| File location | In the root folder of the USB memory |

File name:

| Floor [*1] | File name | Floor [*1] | File name |
|---|---|---|---|
| 1 | floor_01.gif | 6 | floor_06.gif |
| 2 | floor_02.gif | 7 | floor_07.gif |
| 3 | floor_03.gif | 8 | floor_08.gif |
| 4 | floor_04.gif | 9 | floor_09.gif |
| 5 | floor_05.gif | 10 | floor_10.gif |

*1 The floor numbers in the table are not the actual floor level name, but the number counted from the bottom on the [Floor Layout] screen. Even if the floor level name is set to “15F,” the file name will be “floor_01.gif” when the floor is the first floor in the setting.

Available colors (RGB) to be used in the file

| R | G | B |
|---|---|---|
| 224 | 71 | 72 |
| 221 | 151 | 152 |
| 81 | 66 | 81 |
| 105 | 89 | 105 |
| 17 | 16 | 17 |
| 51 | 42 | 52 |
| 27 | 23 | 30 |
| 165 | 145 | 185 |
| 33 | 37 | 57 |
| 2 | 17 | 85 |
| 6 | 35 | 160 |
| 6 | 28 | 122 |
| 9 | 40 | 168 |
| 12 | 45 | 176 |
| 154 | 162 | 194 |
| 211 | 214 | 227 |
| 15 | 49 | 182 |
| 17 | 53 | 188 |
| 20 | 57 | 195 |
| 24 | 64 | 205 |
| 17 | 46 | 149 |
| 21 | 52 | 163 |
| 28 | 70 | 215 |
| 32 | 64 | 178 |
| 45 | 80 | 204 |
| 44 | 75 | 190 |
| 55 | 90 | 213 |
| 69 | 99 | 205 |
| 99 | 122 | 202 |

| R | G | B |
|---|---|---|
| 101 | 112 | 150 |
| 126 | 137 | 176 |
| 142 | 149 | 175 |
| 175 | 180 | 199 |
| 33 | 77 | 225 |
| 37 | 83 | 234 |
| 39 | 86 | 240 |
| 41 | 89 | 245 |
| 42 | 92 | 249 |
| 46 | 93 | 246 |
| 23 | 47 | 124 |
| 63 | 104 | 238 |
| 77 | 116 | 241 |
| 99 | 137 | 255 |
| 126 | 146 | 214 |
| 149 | 170 | 235 |
| 70 | 79 | 108 |
| 179 | 189 | 222 |
| 191 | 202 | 230 |
| 192 | 210 | 241 |
| 163 | 170 | 180 |
| 236 | 242 | 250 |
| 159 | 185 | 210 |
| 144 | 154 | 162 |
| 204 | 228 | 245 |
| 112 | 183 | 219 |
| 126 | 139 | 145 |
| 214 | 241 | 251 |
| 159 | 240 | 253 |

| R | G | B |
|---|---|---|
| 130 | 150 | 153 |
| 105 | 134 | 135 |
| 37 | 96 | 86 |
| 204 | 214 | 211 |
| 48 | 64 | 59 |
| 250 | 255 | 253 |
| 227 | 255 | 243 |
| 241 | 255 | 248 |
| 237 | 249 | 243 |
| 67 | 97 | 79 |
| 59 | 78 | 66 |
| 61 | 116 | 80 |
| 85 | 128 | 100 |
| 154 | 177 | 162 |
| 14 | 45 | 24 |
| 59 | 93 | 70 |
| 178 | 187 | 181 |
| 46 | 181 | 88 |
| 59 | 157 | 90 |
| 90 | 213 | 129 |
| 214 | 255 | 225 |
| 224 | 239 | 228 |
| 129 | 155 | 135 |
| 178 | 194 | 182 |
| 115 | 255 | 143 |
| 99 | 193 | 117 |
| 182 | 201 | 185 |
| 59 | 255 | 88 |
| 19 | 255 | 48 |

| R | G | B |
|---|---|---|
| 176 | 255 | 185 |
| 238 | 255 | 240 |
| 154 | 255 | 163 |
| 198 | 255 | 203 |
| 106 | 255 | 116 |
| 137 | 255 | 144 |
| 226 | 252 | 227 |
| 124 | 233 | 125 |
| 250 | 255 | 250 |
| 167 | 229 | 166 |
| 107 | 145 | 104 |
| 182 | 211 | 180 |
| 23 | 95 | 15 |
| 149 | 211 | 141 |
| 128 | 140 | 126 |
| 95 | 202 | 74 |
| 194 | 231 | 186 |
| 147 | 169 | 142 |
| 41 | 177 | 3 |
| 166 | 203 | 154 |
| 208 | 224 | 202 |
| 219 | 235 | 211 |
| 172 | 187 | 164 |
| 203 | 211 | 197 |
| 241 | 244 | 238 |
| 199 | 201 | 195 |
| 110 | 114 | 98 |
| 127 | 129 | 119 |
| 210 | 211 | 196 |

| R | G | B |
|---|---|---|
| 255 | 253 | 185 |
| 193 | 193 | 150 |
| 255 | 255 | 221 |
| 121 | 121 | 106 |
| 162 | 162 | 147 |
| 142 | 142 | 129 |
| 94 | 94 | 89 |
| 212 | 212 | 203 |
| 235 | 235 | 227 |
| 213 | 213 | 207 |
| 203 | 203 | 198 |
| 137 | 137 | 134 |
| 116 | 116 | 114 |
| 245 | 245 | 242 |
| 85 | 85 | 84 |
| 121 | 121 | 120 |
| 253 | 253 | 252 |
| 119 | 117 | 23 |
| 255 | 253 | 143 |
| 253 | 241 | 7 |
| 174 | 173 | 157 |
| 208 | 195 | 0 |
| 220 | 210 | 64 |
| 156 | 153 | 113 |
| 201 | 199 | 175 |
| 151 | 150 | 136 |
| 187 | 175 | 71 |
| 195 | 193 | 175 |
| 198 | 197 | 187 |

| R | G | B |
|---|---|---|
| 179 | 159 | 1 |
| 172 | 169 | 147 |
| 187 | 185 | 169 |
| 179 | 177 | 162 |
| 205 | 203 | 187 |
| 224 | 222 | 206 |
| 212 | 201 | 139 |
| 136 | 134 | 122 |
| 158 | 156 | 143 |
| 217 | 215 | 202 |
| 230 | 228 | 216 |
| 142 | 128 | 71 |
| 254 | 246 | 220 |
| 244 | 237 | 215 |
| 33 | 25 | 2 |
| 111 | 110 | 107 |
| 63 | 43 | 4 |
| 106 | 104 | 100 |
| 133 | 132 | 130 |
| 116 | 79 | 14 |
| 254 | 251 | 246 |
| 255 | 151 | 0 |
| 93 | 61 | 13 |
| 254 | 221 | 171 |
| 157 | 97 | 18 |
| 211 | 205 | 197 |
| 205 | 128 | 31 |
| 187 | 116 | 28 |
| 219 | 138 | 35 |

| R | G | B |
|---|---|---|
| 225 | 148 | 50 |
| 214 | 159 | 89 |
| 77 | 76 | 75 |
| 230 | 211 | 206 |
| 207 | 203 | 202 |
| 225 | 197 | 192 |
| 225 | 8 | 8 |
| 221 | 179 | 179 |
| 152 | 151 | 151 |
| 255 | 255 | 255 |
| 250 | 250 | 250 |
| 249 | 249 | 249 |
| 246 | 246 | 246 |
| 243 | 243 | 243 |
| 241 | 241 | 241 |
| 239 | 239 | 239 |
| 236 | 236 | 236 |
| 232 | 232 | 232 |
| 228 | 228 | 228 |
| 225 | 225 | 225 |
| 220 | 220 | 220 |
| 217 | 217 | 217 |
| 215 | 215 | 215 |
| 211 | 211 | 211 |
| 209 | 209 | 209 |
| 207 | 207 | 207 |
| 205 | 205 | 205 |
| 202 | 202 | 202 |
| 198 | 198 | 198 |

| R | G | B |
|---|---|---|
| 195 | 195 | 195 |
| 193 | 193 | 193 |
| 191 | 191 | 191 |
| 189 | 189 | 189 |
| 185 | 185 | 185 |
| 179 | 179 | 179 |
| 173 | 173 | 173 |
| 171 | 171 | 171 |
| 169 | 169 | 169 |
| 166 | 166 | 166 |
| 161 | 161 | 161 |
| 154 | 154 | 154 |
| 148 | 148 | 148 |
| 143 | 143 | 143 |
| 133 | 133 | 133 |
| 129 | 129 | 129 |
| 103 | 103 | 103 |
| 82 | 82 | 82 |
| 70 | 70 | 70 |
| 64 | 64 | 64 |
| 58 | 58 | 58 |
| 51 | 51 | 51 |
| 44 | 44 | 44 |
| 41 | 41 | 41 |
| 34 | 34 | 34 |
| 4 | 4 | 4 |
| 0 | 0 | 0 |
| 255 | 170 | 63 |
| 255 | 203 | 131 |

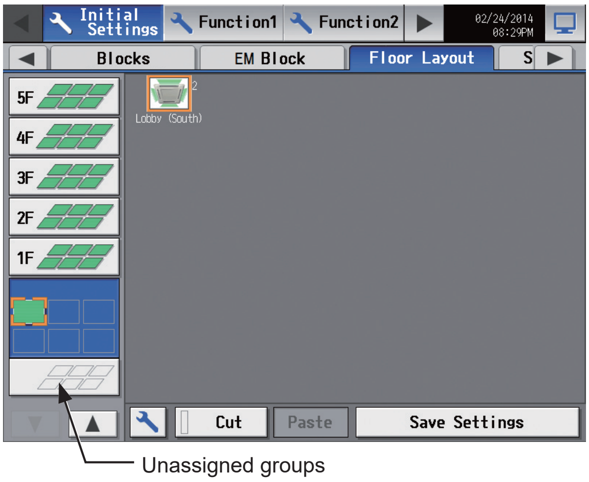
* Use the colors in the table above, otherwise the floor plan will appear in different colors.

* The default background color is RGB [103, 103, 103].

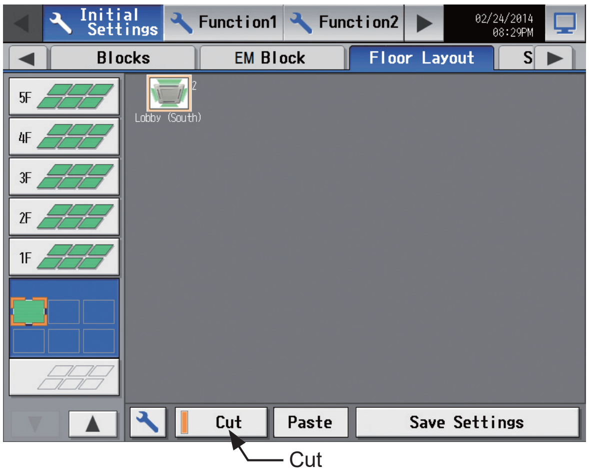
## [3] Moving a group to other areas

(1) On the [Floor Layout] screen, touch the group icon to be moved. The selected group icon will appear with an orange frame.

Note: When the “Unassigned groups” button is touched, groups that have not been assigned to any area will appear in the order of their group numbers. (Up to 30 groups will appear in an area.)

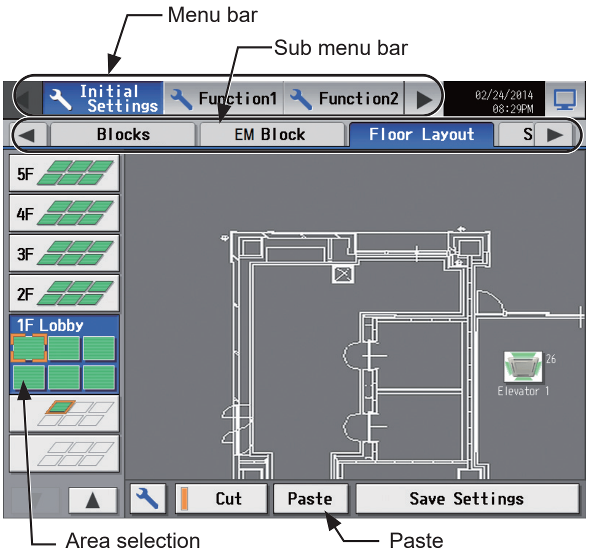

Initial Settings
Function1
Function2
02/24/2014 08:29PM
Blocks
EM Block
Floor Layout
S
5F
4F
3F
2F
1F
2
Lobby (South)
Cut
Paste
Save Settings
Unassigned groups

(2) Touch [Cut].
The orange frame will change to a pale orange frame.


Initial Settings
Function1
Function2
02/24/2014 08:29PM
Blocks
EM Block
Floor Layout
S
5F
4F
3F
2F
1F
2
Lobby (South)
Cut
Paste
Save Settings
Cut

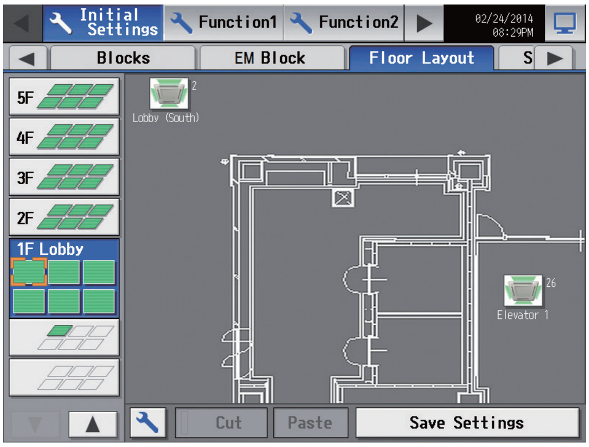
(3) With the pale orange frame being displayed, select the area to move the group to, and touch [Paste] to move the selected group to the selected area.

Note: A popup message will appear when you touch the item in the menu bar or sub menu bar to see other screens without the changes being saved. Note that the changes will NOT be saved unless the [Save Settings] button is pressed.


Menu bar
Sub menu bar
Initial Settings
Function1
Function2
02/24/2014 08:29PM
Blocks
EM Block
Floor Layout
S
5F
4F
3F
2F
1F Lobby
26
Elevator 1
Cut
Paste
Save Settings
Area selection
Paste

(4) Touch [Save Settings].

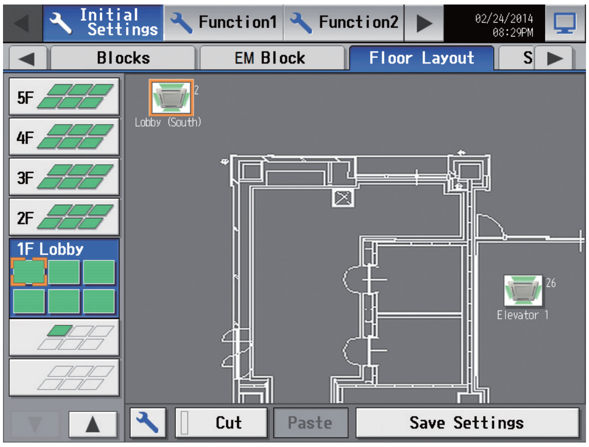
Note: To move the pasted group icon within the area, refer to [4] "Moving a group within the area" below.


Initial Settings
Function1
Function2
02/24/2014 08:29PM
Blocks
EM Block
Floor Layout
S
5F
4F
3F
2F
1F Lobby
2
Lobby (South)
26
Elevator 1
Cut
Paste
Save Settings

## [4] Moving a group within the area

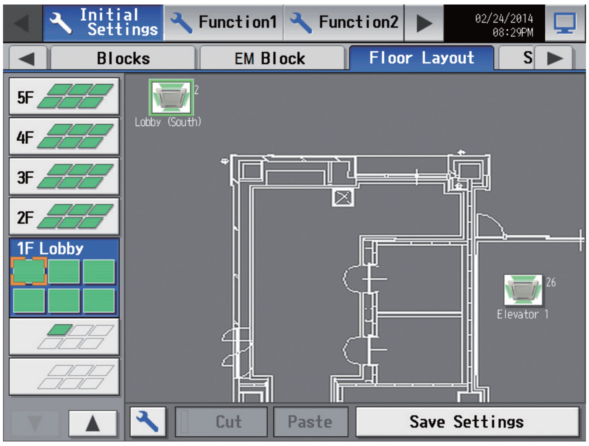
Note: It is recommended to use a commercially available touch pen.

(1) On the [Floor Layout] screen, touch the group icon to be moved. The selected group icon will appear with an orange frame.

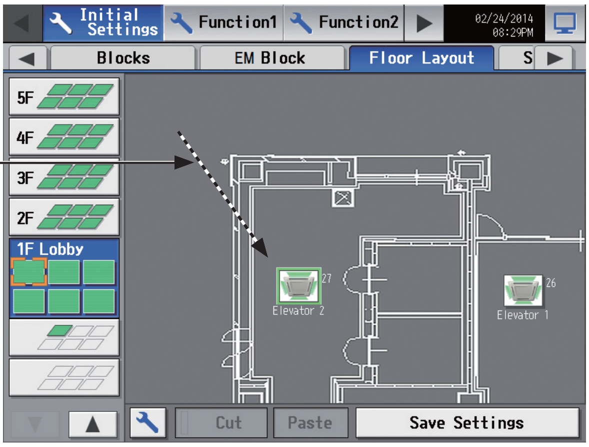

Initial Settings
Function1
Function2
02/24/2014 08:29PM
Blocks
EM Block
Floor Layout
S
5F
4F
3F
2F
1F Lobby
2
Lobby (South)
26
Elevator 1
Cut
Paste
Save Settings

(2) Touch and hold the group icon for one second. The orange frame will change to an yellow-green frame.

Note: The group icons cannot be moved on the screen that appears when the "Unassigned groups" button.


Initial Settings
Function1
Function2
02/24/2014 08:29PM
Blocks
EM Block
Floor Layout
S
5F
4F
3F
2F
1F Lobby
2
Lobby (South)
26
Elevator 1
Cut
Paste
Save Settings

(3) Drug and drop the icon to move anywhere within the area.


Drug and drop the icon.

Initial Settings
Function1
Function2
02/24/2014 08:29PM
Blocks
EM Block
Floor Layout
S
5F
4F
3F
2F
1F Lobby
27
Elevator 2
26
Elevator 1
Cut
Paste
Save Settings

(4) Touch [Save Settings].

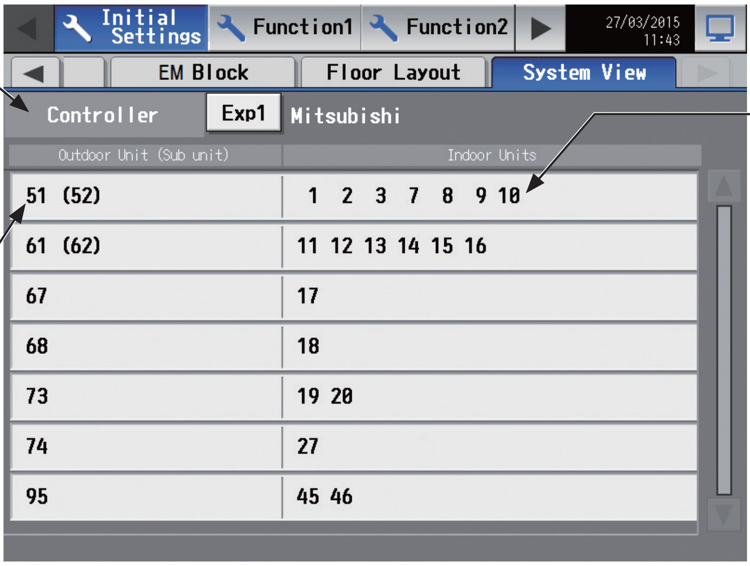
## 5-2-10. System View

Refrigerant system information (connection information of outdoor and indoor units) can be checked for each AE-200, AE-50, and EW-50.

Touch [Initial Settings] in the menu bar, and then touch [System View].

Note: This screen shows the information of the units that have been registered to a group and have started up successfully.

Note: The [Controller] setting will appear (only on the AE-200's LCD) when the [System Exp] setting on the [Unit Info.] screen is set to [Expand]. Switch the [Controller] setting between [AE200] and [Exp1] through [Exp4] to display the information for each AE-200, AE-50, and EW-50 individually.



Controller Exp1 Mitsubishi

| Outdoor Unit (Sub unit) | Indoor Units |
|---|---|
| 51 (52) | 1 2 3 7 8 9 10 |
| 61 (62) | 11 12 13 14 15 16 |
| 67 | 17 |
| 68 | 18 |
| 73 | 19 20 |
| 74 | 27 |
| 95 | 45 46 |

**Controller**
Select [AE] to display the information for AE-200, and select [1], [2], [3], or [4] to display the information for each AE-50/EW-50.

**Outdoor unit address**
"Unit address of the main unit (Unit address of the sub unit)" will appear.

**Indoor unit address**
Unit address of the indoor units that are connected to the outdoor unit will appear.

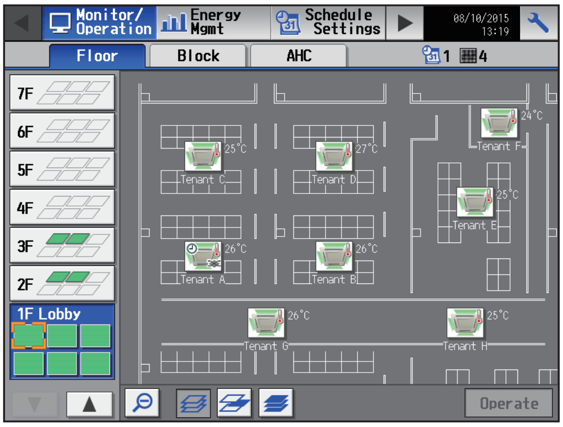
(1) Switch the [Controller] setting between [AE200] and [Exp1] through [Exp4] to check the system information for each AE-200, AE-50, and EW-50 individually. (Only on the AE-200's LCD)

## 5-2-11. Floor Layout settings on the Integrated Centralized Control Web

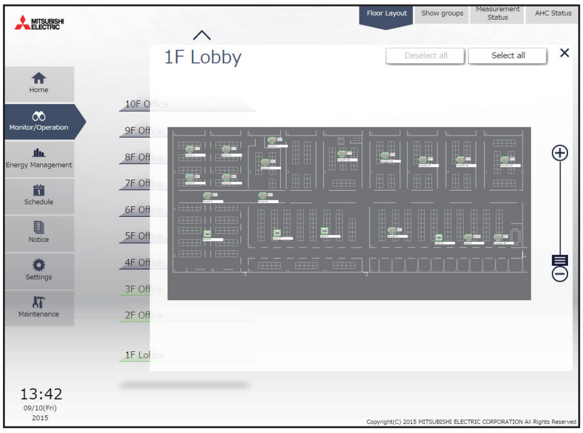
### [1] Matching the floor layout on the AE-200’s LCD and the Integrated Centralized Control Web

On the Integrated Centralized Control Web, a setting can be made to use the same layout as the one used on the LCD.

**LCD**


Monitor/ Operation
Energy Mgmt
Schedule Settings
08/10/2015 13:19
Floor
Block
AHC
1
4
7F
6F
5F
4F
3F
2F
1F Lobby
Tenant A
Tenant B
Tenant C
Tenant D
Tenant E
Tenant F
Tenant G
Tenant H
Operate

**Integrated Centralized Control Web**


MITSUBISHI ELECTRIC
Floor Layout
Show groups
Measurement Status
AHC Status
1F Lobby
Deselect all
Select all
Home
Monitor/Operation
Energy Management
Schedule
Notice
Settings
Maintenance
10F Office
9F Office
8F Office
7F Office
6F Office
5F Office
4F Office
3F Office
2F Office
1F Lobby
13:42
09/10(Fri) 2015
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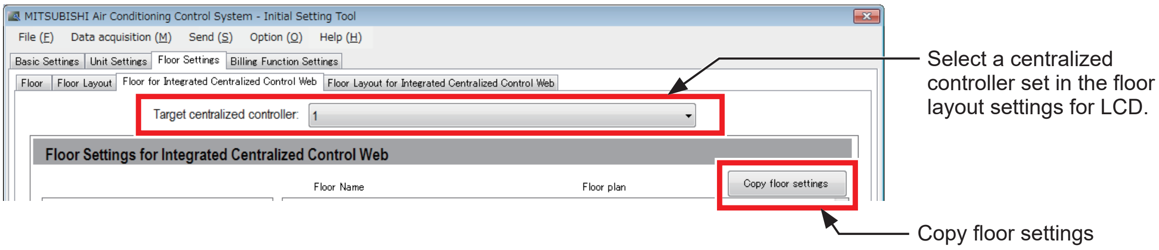
Note: On the LCD, the floor layout image is divided for display, however on the Integrated Centralized Control Web, it is not divided for display.

(1) Configure the floor layout settings for LCD for a target centralized controller. (Refer to 5-2-9 “Floor Layout” for details.)

(2) Using an AE-200/AE-50/EW-50 Initial Setting Tool, configure the floor layout settings for the Integrated Centralized Control Web. For details on how to use Initial Setting Tool, refer to the AE-200/AE-50/EW-50 Instruction Book (Initial Settings).
Click [Floor Settings] > [Floor for Integrated Centralized Control Web] and select a centralized controller set in in (1).

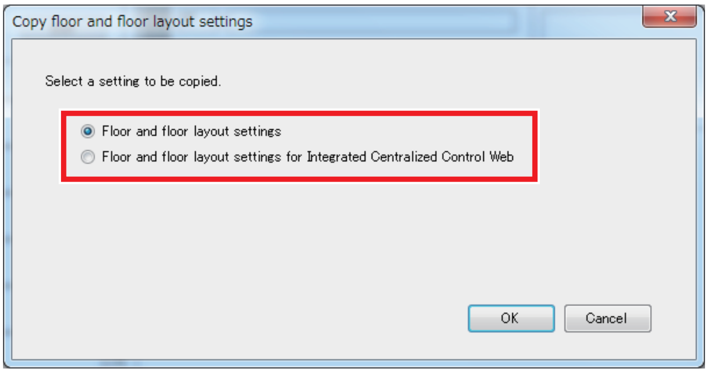

MITSUBISHI Air Conditioning Control System - Initial Setting Tool
File (F)
Data acquisition (M)
Send (S)
Option (O)
Help (H)
Basic Settings
Unit Settings
Floor Settings
Billing Function Settings
Floor
Floor Layout
Floor for Integrated Centralized Control Web
Floor Layout for Integrated Centralized Control Web
Floor Settings for Integrated Centralized Control Web
Copy floor settings
Floor Name
Floor plan

Target centralized controller: 1

Select a centralized controller set in the floor layout settings for LCD.

Copy floor settings

(3) Click [Copy floor settings] and select [Floor and floor layout settings].


Copy floor and floor layout settings
OK
Cancel

Select a setting to be copied.

● Floor and floor layout settings
○ Floor and floor layout settings for Integrated Centralized Control Web

(4) Click [OK].
The setting contents of the floor layout settings for LCD for the centralized controller set in (1) will be copied to the floor layout for the Integrated Centralized Control Web.

# 5-3. Environment settings for Integrated Centralized Control Web

## 5-3-1. Operating environment

The list below shows the OS and browsers of the computers that have been verified to be compatible with the Integrated Centralized Control Web. The use of the latest version of OS and browser is recommended.

| Item | | Requirement |
|---|---|---|
| PC | CPU | 1 GHz or faster (2 GHz or faster recommended) |
| | Memory | 2 GB or more |
| | Screen resolution | 1024 x 768 or higher (1920 x 1080 recommended) |
| | OS | • Microsoft® Windows® 11 (64 bit) *1<br>• Microsoft® Windows® 10 (64 bit) *1<br>• Microsoft® Windows® 8.1 (64 bit) *1<br>• MacOS Mojave 10.14<br>Must meet the minimum requirements of the OS |
| | Browser | • Microsoft® Edge® 96<br>• Google Chrome ™ Ver. 96<br>• Safari 15 |
| | Microsoft® Excel® | MIcrosoft® Excel® 2013 (32 bit)/2016 (32 bit)/2019 (32 bit) |
| | Built-in LAN port or LAN card | 100BASE-TX or higher |
| | Pointing device | Mouse, etc. |
| | USB | Minimum 1 port |

*1) Verified to work on the Pro edition

Note: Microsoft Corporation will end its support for Microsoft® Internet Explorer® 11 in June 2022. Use a browser other than Microsoft® Internet Explorer®.

Note: The operating environments were verified at as of February 2022, but use may not be possible depending on the actual environment in which used.

## 5-3-2. System Settings

To use Integrated Centralized Control Web, you need to configure the settings using Initial Setting Tool.
Refer to the AE-200/AE-50/EW-50 Instruction Book (Initial Settings) for details.

**Important**

- When using Initial Setting Tool, be sure to configure the settings as described in the procedures of Instruction Book (Initial Settings).

### [1] Settings of the centralized controllers to be managed with Integrated Centralized Control Web

Use Initial Setting Tool to configure the settings of the centralized controllers to be managed with Integrated Centralized Control Web.

(1) In [Basic Settings] > [System Configuration] of Initial Setting Tool, specify the IP address of each centralized controller to be managed with Integrated Centralized Control Web.

(2) In [Floor Settings] > [Floor for Integrated Centralized Control Web], set the login destination centralized controller (target centralized controller) of Integrated Centralized Control Web and the management target centralized controllers (managed centralized controllers).

Note: When connecting an AE-200/AE-50/EW-50 to an existing LAN, consult the system administrator to decide the IP addresses.
Note: When using an AE-200/AE-50/EW-50-dedicated LAN, it is recommended that the AE-200 unit be assigned an IP address between the range [192.168.1.1] and [192.168.1.40], and the AE-50/EW-50 unit be assigned an IP address between the range [192.168.1.211] and [192.168.1.249].

### [2] Floor settings

Configure the floor layout settings, referring to 5-2-11 “Floor Layout settings on the Integrated Centralized Control Web” or the Instruction Book (Initial Settings).

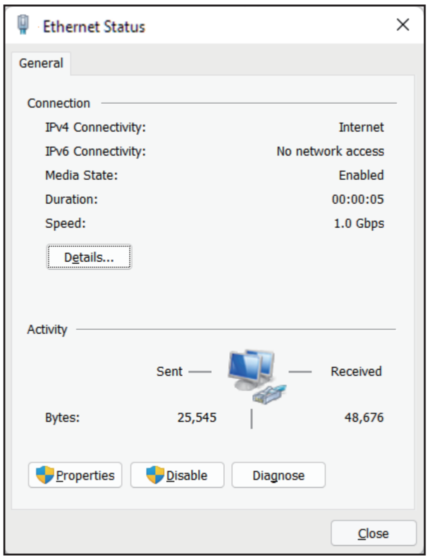
### 5-3-3. Setting the IP address of the PC

Follow the instructions below to set the PC's IP address to connect the Integrated Centralized Control Web and multiple centralized controllers.

The PC's IP address must have the same network address as the AE-200/AE-50/EW-50's IP address.

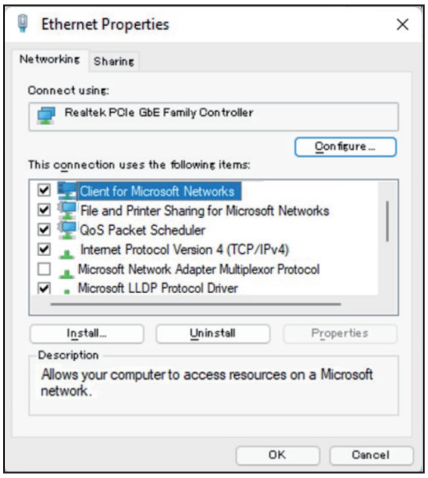
(1) Open the control panel.
Windows® 8.1
Start screen>[Desktop]>[My computer]>[Control panel]
Windows® 10 or 11
Search for the control panel using the search box.

(2) Click [Network and Sharing Center]>[Change adapter settings].
Double-click the [Ethernet] icon.
In the[Ethernet status] window, click [Properties].


Ethernet Status
General
Connection
Details...
Activity
Sent
Received
Properties
Disable
Diagnose
Close

IPv4 Connectivity: Internet
IPv6 Connectivity: No network access
Media State: Enabled
Duration: 00:00:05
Speed: 1.0 Gbps
Bytes: 25,545 | 48,676

(3) Click [Internet Protocol Version 4 (TCP/IPv4)] to select it, and click [Properties].


Ethernet Properties
Networking
Sharing
Configure...
Install...
Uninstall
Properties
OK
Cancel

Connect using:
Realtek PCIe GbE Family Controller

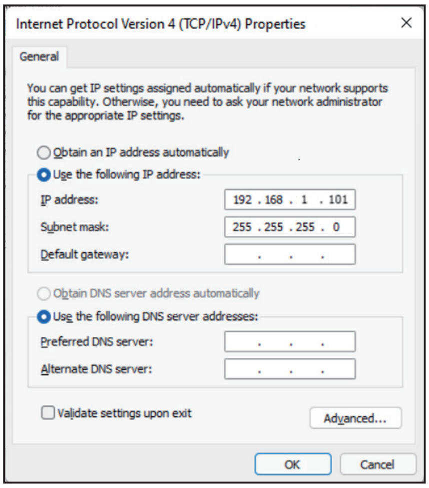
This connection uses the following items:
☑ Client for Microsoft Networks
☑ File and Printer Sharing for Microsoft Networks
☑ QoS Packet Scheduler
☑ Internet Protocol Version 4 (TCP/IPv4)
☐ Microsoft Network Adapter Multiplexor Protocol
☑ Microsoft LLDP Protocol Driver

Description
Allows your computer to access resources on a Microsoft network.

(4) In the [Internet Protocol Version 4 (TCP/IPv4) Properties] window, check the radio button next to [Use the following IP address].
Enter the PC's IP address (e.g., [192.168.1.101]) in the [IP address] field, and enter the subnet mask [255.255.255.0] (unless otherwise specified) in the [Subnet mask] field.
In the [Default gateway] field, enter the gateway address as necessary.

Note: Consult the system administrator to decide the IP, subnet mask, and gateway addresses.

Note: Take a note of the IP address, subnet mask, and default gateway before making changes.


Internet Protocol Version 4 (TCP/IPv4) Properties
General
Advanced...
OK
Cancel

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

○ Obtain an IP address automatically
● Use the following IP address:
IP address: 192 . 168 . 1 . 101
Subnet mask: 255 . 255 . 255 . 0
Default gateway: . . .

○ Obtain DNS server address automatically
● Use the following DNS server addresses:
Preferred DNS server: . . .
Alternate DNS server: . . .

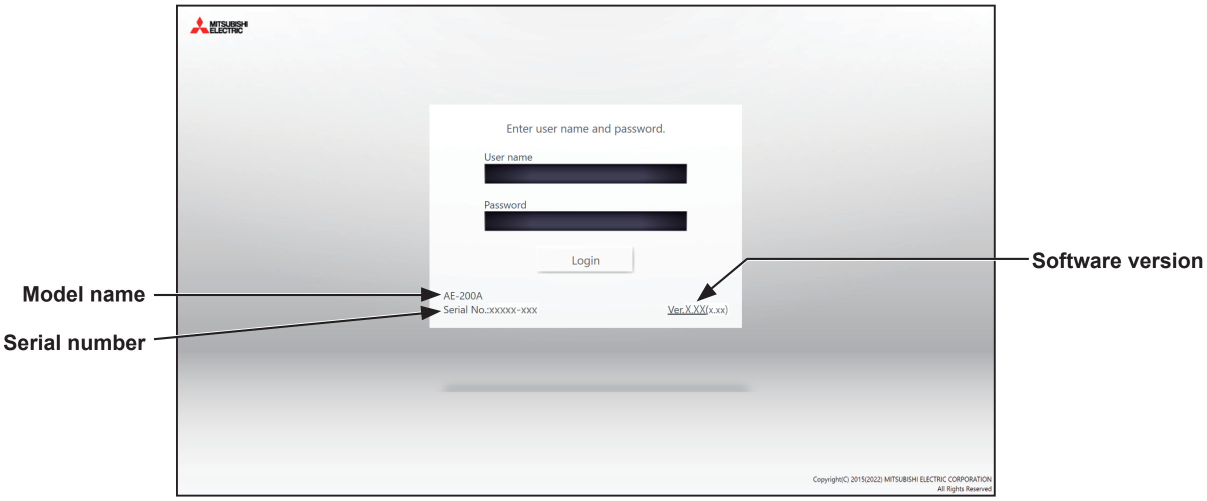
☐ Validate settings upon exit

(5) Keep clicking [OK] or [Close] to close all windows.

## 5-3-4. Logging in to the Integrated Centralized Control Web

(1) Enter the web page address in the address field of the Web browser as follows:
**http://[IP address of the login destination AE-200/EW-50]/control/index.html**

(2) A login screen will appear.
Model name, serial number, and software version information of the login destination AE-200/EW-50 will appear on Ver. 7.98 and later.



Enter user name and password.

AE-200A
Serial No.:xxxxx-xxx
Ver.X.XX(x.xx)

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Note: If the IP address of the AE-200/EW-50 is [192.168.1.1], the web page address is [http: //192.168.1.1/control/index.html].
Note: Default IP address of AE-200/EW-50 is [192.168.1.1].
The recommended IP address range of AE-200/EW-50 is between [192.168.1.1] and [192.168.1.40].
Note: The web page will be displayed in the same language as the operating system on the PC.
The web page can be displayed in other languages by entering the web page address as follows:

| | |
|---|---|
| Chinese | http://[IP address of the login destination AE-200/EW-50]/control/index.html?zh |
| English | http://[IP address of the login destination AE-200/EW-50]/control/index.html?en |
| French | http://[IP address of the login destination AE-200/EW-50]/control/index.html?fr |
| German | http://[IP address of the login destination AE-200/EW-50]/control/index.html?de |
| Italian | http://[IP address of the login destination AE-200/EW-50]/control/index.html?it |
| Japanese | http://[IP address of the login destination AE-200/EW-50]/control/index.html?ja |
| Portuguese | http://[IP address of the login destination AE-200/EW-50]/control/index.html?pt |
| Russian | http://[IP address of the login destination AE-200/EW-50]/control/index.html?ru |
| Spanish | http://[IP address of the login destination AE-200/EW-50]/control/index.html?es |
| Turkish | http://[IP address of the login destination AE-200/EW-50]/control/index.html?tr |

Note: You can add the web page address to your Favorites on the login screen for easy access in the future.
Note: If keeping the Integrated Centralized Control Web continuously running, periodically restart the PC (approximately once a week).

(3) Enter the user name and the password in the login screen, and click [Login]. A screen that shows the operation status of the air conditioning units will appear.

Note: The user name and password used for the Integrated Centralized Control Web are different from the ones used for the LCD.
Note: It is recommended to change the default user name and password so that the users other than the building managers will not be able to change the settings. Refer to the Instruction Book (Initial Settings) for how to change the default user name and password.
Note: If the default user name and password of building manager were changed, the changed user name and the password will remain active after the controller is updated to a newer version.
Also, if you import the backup data of the changed settings to another AE-200/EW-50, the changed user name and the password will remain active.

AE-200E/EW-50E (All versions)

| User | Default user name | Default password |
|---|---|---|
| Building manager | administrator | admin |

AE-200A/EW-50A (Ver. 7.97 and earlier)

| User | Default user name | Default password |
|---|---|---|
| Building manager | administrator | admin |

## AE-200A/EW-50A (Ver. 7.98 and later)

| User | Default user name | Default password[*1][*2] | Example default password (Serial number: 19672-123[*3]) |
|---|---|---|---|
| Building manager | administrator | ad “Serial number” | ad19672123 |

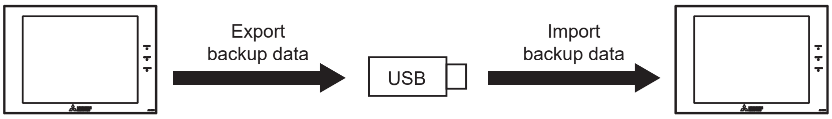
*1 Default password for AE-200A/EW-50A updated to Ver. 7.98 or later from Ver. 7.97 or earlier
The default password varies with the version immediately before the update.
Default password for AE-200A/EW-50A when updated from a version earlier than Ver. 7.98

| Version before the update | Default password after the system has been updated to Ver. 7.98 or later |
|---|---|
| Ver. 7.10–7.12 | ad “Serial number” |
| Ver. 7.23–7.97 | admin |

*2 Default password for AE-200A/EW-50A to which the backup data from Ver. 7.98 or later was imported
If the settings data are backed up from the AE-200A/EW-50A that was logged in with the default password and are imported to the AE-200A/EW-50A Ver. 7.98 or later, the new password will be the serial number of the AE-200A/EW-50A to which the data was imported.

AE-200A/EW-50A
Software version: 7.98
Serial number: 31C71-101
Password of building manager: ad31C71101

AE-200A/EW-50A
Software version: 7.98
Serial number: 19272-124
Password of building manager: ad19272124



*3 On Ver. 7.98 and later, serial number can be found on the login screen of the Integrated Centralized Control Web.

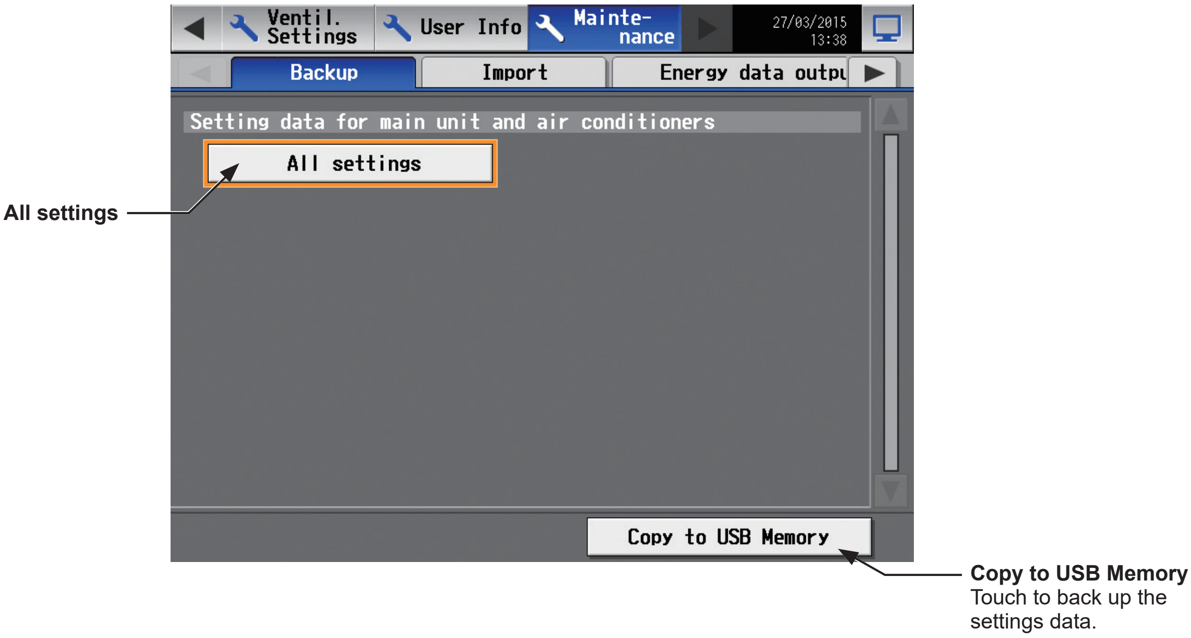
# 6. Maintenance

## 6-1. Backing up settings data

The settings data can be exported to a USB memory as a backup.

Touch [Maintenance] in the menu bar, and then touch [Backup].

Note: Use the USB memory device that meets the requirements described in 7 "Specifications".
Note: IP address settings will not be backed up. Make sure to write them down.


Ventil. Settings
User Info
Mainte- nance
27/03/2015 13:38
Backup
Import
Energy data outpu
Setting data for main unit and air conditioners
All settings
Copy to USB Memory
All settings

**Copy to USB Memory**
Touch to back up the settings data.

> **Important**
> - The USB memory device may not be recognized if you insert and remove it within a short time. If this happens, reset the AE-200/AE-50.
> - The AE-50/EW-50 data can be output from the AE-200.

(1) Remove the controller cover, and insert a USB memory device to the USB port.

(2) Touch [All settings], then touch [Copy to USB Memory].
The settings data file will be created in the root folder of the USB memory.

■ File output destination, folder name, and file name

[Root folder of the USB memory]\[Serial No.]\"SettingData"\"AE" *1

*1 "AE1," "AE2," "AE3," or "AE4" when one or more AE-50/EW-50 controllers are connected

<Example>

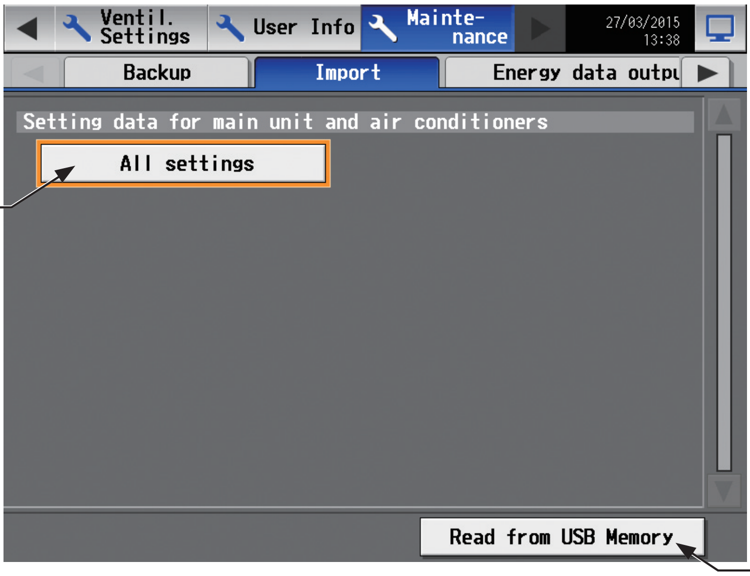
```
Root folder of the USB memory
    └────12345-123 (AE-200 serial No.)
              └────SettingData
                        ├────AE  — AE-200 settings file
                        ├────AE1 — AE-50_1 settings file
                        ├────AE2 — AE-50_2 settings file
                        ├────AE3 — AE-50_3 settings file
                        └────AE4 — AE-50_4 settings file
```

Note: It will take a few minutes to create the settings data.
Note: Do not remove the USB memory device while the data is being output.

## 6-2. Importing settings data

The exported data can be imported back to the AE-200/AE-50/EW-50 to restore the previous settings after the controller replacement.

Touch [Maintenance] in the menu bar, and then touch [Import].



**All settings**

**Read from USB Memory**
Touch to import the settings data.

**Important**

- The USB memory device may not be recognized if you insert and remove it within a short time. If this happens, reset the AE-200/AE-50/EW-50.

(1) Have the settings data to be imported ready in the root folder of the USB memory as shown below.

■ File location, folder name, and file name

[Root folder of the USB memory]\“SetupData”_[IP address]\“AE” *1

*1 “AE1,” “AE2,” “AE3,” or “AE4” when one or more AE-50/EW-50 controllers are connected

<Example (When AE-200 LAN1 IP address is [192.168.1.1]>

Root folder of the USB memory
└── SetupData_192_168_1_1 *2
├── AE — AE-200 settings file
├── AE1 — AE-50_1 settings file
├── AE2 — AE-50_2 settings file
├── AE3 — AE-50_3 settings file
└── AE4 — AE-50_4 settings file

*2 The folder name will not be [SetupData_192_168_001_001].

Note: Only the data that have been backed up from the AE-200 can be imported to the AE-200. The data that have been backed up from the AE-50 must be imported to the AE-50.

Note: Do not change the file name from that of when backup was performed. If the folder name or file name is different from the given name, no data can be read.

(2) Remove the controller cover, and insert a USB memory device to the USB port.

(3) Touch [All settings], then touch [Read from USB Memory].

Note: It will take a few minutes to import the settings data.
Note: Do not remove the USB memory device while the data is being imported.
Note: If the data is not read, check the folder name and the file name.
Note: If the data is not read, check if the USB memory device is inserted correctly.

## 6-3. Software Update

Refer to the AE-200/AE-50 Installation Manual for how to update the software for AE-200/AE-50.

## 6-4. Software information

Detailed information about the open source software of the AE-200/AE-50/EW-50 can be checked by accessing the following address:

**https://[IP address of each AE-200, AE-50, or EW-50]/license/**

* Accessible only if logged in as a maintenance user.

# 7. Specifications

| Item | | | Specifications |
|---|---|---|---|
| Power supply | Rated input | | 100–240 VAC ± 10%; 0.3–0.2 A 50/60 Hz Single-phase |
| M-NET power feeding coefficient | | | 0.75 |
| Network interface | | | 100BASE-TX |
| Ambient conditions | Temperature | Operating temperature range | 0°C – +40°C (+32°F – +104°F) |
| | | Storage temperature range | -20°C – +60°C (-4°F – +140°F) |
| | Humidity | | 30%–90% RH (Non-condensing) |
| Dimensions (W × H × D) | | | 284 × 200 × 65 mm<br>(11-3/16 × 7-7/8 × 2-9/16 in)<br>* When installed, AE-200/AE-50 will protrude 25.0 mm (31/32 in) from the wall or the metal control box. |
| Weight | | | 2.3 kg (5-5/64 lbs) |

About USB memory device

- ● Use a USB memory device that meets the following conditions.
  - Supports USB 2.0 (Must be USB 2.0-compatible when using a USB 3.0)
  - Formatted with FAT32 or FAT (FAT16)
  - Without a security function (locked by a password or encrypted) that prevents the data files from being written to or the function is unused. When using a USB memory device with a security function, its function must be disabled. (USB memory device with a fingerprint authentication function may be used.)
- ● Test the USB memory device several times before use and verify that the device functions properly. Reading data from or writing data to a USB memory device that has not been confirmed to work may cause unexpected problems. (If the data cannot be output to the USB memory device after a writing error occurs and the device is replaced, reboot the AE-200/AE-50 (turn off the power and restart). Do not use the USB memory device that has experienced writing error once.)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This product is designed and intended for use in the residential, commercial and light-industrial environment.

The product at hand is based on the following EU regulations:
- Low Voltage Directive 2014/35/EU
- Electromagnetic Compatibility Directive 2014/30/EU

Please be sure to put the contact address/telephone number on this manual before handing it to the customer.

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